

Lincoln Lab Not Guilty of Fraud, DoD Says

By Angeline Wang
NEWS EDITOR

A Department of Defense investigation into long-standing allegations of fraud in a Lincoln Laboratory-led review of national missile defense tests has concluded that neither the review team nor Lincoln Laboratory management is guilty of research misconduct. The DoD investigative report, released Friday, pointed out problems with how the review's results were presented — namely that critical information was omitted in the study — but said that these actions “did not rise to the level of research misconduct.”

Entering its eighth year, the dispute regarding the Lincoln Laboratory review has raised questions about how MIT can manage and oversee classified research for the United States government if they are unable to conduct independent investigations because of the classified nature of the information involved.

The DoD report recommends that the charges of research misconduct be dismissed and that the two authors of the study, Charles K. Meins Jr. '75 and Ming-Jer Tsai, both Lincoln Laboratory scientists, be publicly exonerated. Additionally, the report states that certain requirements in MIT research misconduct policies should be strengthened and that the DoD itself should prepare a “lessons-learned report” regarding this case several months from now.

MIT considers the matter closed and will now work toward addressing the recommendations made regarding MIT policies and procedures, said Claude R. Canizares, vice president for research and associate provost.

The full report is available at <http://web.mit.edu/provost/reports/InvestigationReport01292007.pdf> and http://www.defenselink.mil/home/pdf/Investigation_Report_27JAN.pdf.

The allegations center around the Lincoln Laboratory's classified “POET” Study, which reviewed a 1997 Pentagon missile test. (For a timeline of events, see page 17.) The 1999 POET Study concluded that the test results were valid and that the Pentagon's national missile defense system could distinguish actual warheads from warhead-shaped balloon decoys in outer space. This conclusion was questioned by critics, including MIT Professor Theodore A. Postol '67, who believe that the original test results were exaggerated, that the POET Study has contradictions, and that the defense system would not work against a real attack.

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Two Student Life Deans to Leave MIT in June

Newly Announced Position Will Combine Duties of Deans For FSILGs and Residential Life Programs

By Marie Y. Thibault
EDITOR IN CHIEF

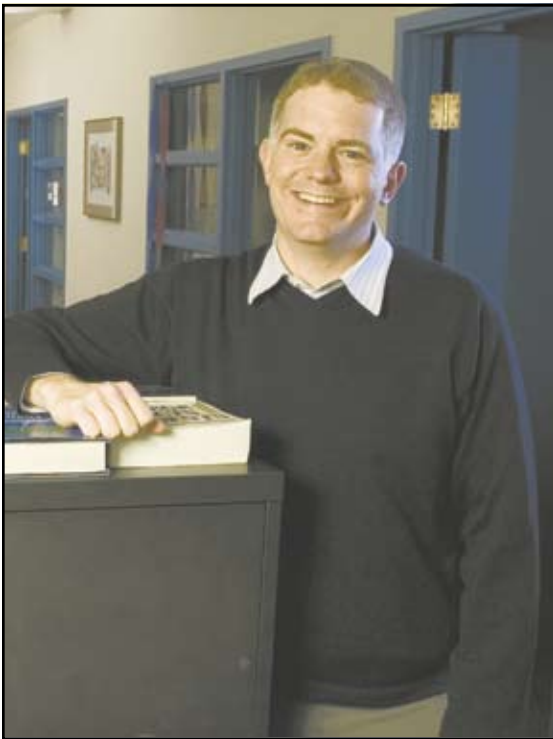
Two student life deans will leave MIT on June 30, 2007 as their positions are merged. The decision to combine the positions of Dean David N. Rogers, assistant dean and director of Fraternities, Sororities, and Independent Living Groups, and Dean Andrew J. Ryder, assistant dean for Residential Life Programs, comes in the wake of an earlier reorganization of the Division of Student Life.

The announcement, which came in early March, was a surprise to students and the deans themselves. In an e-mail version of the announcement, Karen A. Nilsson, senior associate dean for Residential Life, wrote that “the areas of FSILGs and Residential Life Programs ... will join forces to strengthen that which is shared among them and provide comprehensive programs for all students at MIT.”

Rogers and Ryder agreed that the new combined position will be a challenging one. Ryder's advice to the new staff member is to “listen to students and other players at the Institute,” citing his relationship with dormitory housemasters as key to his success.

“I think it'll be a daunting task for anyone,” Rogers said, adding that it will be difficult to balance the differences between the FSILGs and dormitories while trying to increase collaboration.

Both deans said that they do not



ERIC D. SCHMIEDL—THE TECH

It was announced in early March that Deans Andrew J. Ryder and David N. Rogers (left and right, respectively) would be leaving MIT June 30, 2007.

know what went into the decision to merge their positions nor what qualities will be important to those hiring the new staff member.

In an earlier reorganization of the Division of Student Life that went into effect on Jan. 1, 2007, a new Residential Life unit was created. The unit now includes Housing, Res-

idential Life Programs, FSILGs, and the Dining office.

It's unclear what went into the latest decision to combine Rogers' and Ryder's positions, since Nilsson could not be reached for comment. Dean for Student Life Larry G. Benedict declined to comment. In a Nov. 17 *Tech* article, Nilsson said that she

In Short

¶ **Planned GRE changes have been cancelled**, as announced by the Educational Testing Service yesterday. More information can be found at <http://www.ets.org/gre>.

¶ **Summer housing applications**, due April 22, are now available on-

line. 2007-2008 Housing Confirmation forms are also available and are due April 11. For forms and dates, see the undergraduate Housing calendar at <http://web.mit.edu/housing/undergrad/calendar.html>.

¶ **Learn CPR for \$5** at Thursday's Mass CPR event. Two sessions will be held from 1-4:30 p.m. and 6-9:30 p.m. in La Sala de Puerto Rico on the

second floor of the Student Center. To sign up, see <http://heartsafe.mit.edu/?op=classes>.

¶ **Acclaimed novelist Jamaica Kincaid** reads in 10-250 on Wednesday at 6:30 p.m. Free and open to the public.

¶ **MIT Libraries book sale** will be held today from 10 a.m.-3 p.m. in 10-105.



GHEORGHE CHISTOL—THE TECH

Ada Lipkin '08 and Brad Lowe dance rumba during the MIT Open Ballroom Dance competition on Sunday, April 1. 585 pairs entered the competition, which lasted two days.

planned to gather student feedback on the Jan. 1 reorganization, saying, “It's always been our practice to utilize our students on teams.”

Students were “absolutely not” part of the decision to merge the positions, Undergraduate Association

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MIT Sweeps Putnam, Team Takes Third Place

By Angeline Wang
NEWS EDITOR

MIT's team took third place in the 2006, 67th annual William Lowell Putnam Math Competition, behind teams from Princeton University and Harvard University. The University of Toronto and University of Chicago rounded out the top five.

The MIT team members, selected by Professors of Mathematics Hartley Rogers Jr. and Richard P. Stanley, were Oleg I. Golberg '08, Daniel M. Kane '07, and Kuat T. Yessenov '08. According to Rogers, the team is generally made up of the three students who receive the highest scores in the preceding year's Putnam Competition. Golberg, Kane, and Yessenov were among the competitions top five or six highest ranking individuals — called Putnam Fellows — last year.

This year's Putnam Fellows include Kane and two MIT freshmen, Hansheng Diao '09 (who declared sophomore standing, according to Rogers) and Yufei Zhao '10. “It's too bad we didn't have them on the team,” Rogers said jokingly. Because of the way the team is selected, freshmen are usually not placed on the team, according to Rogers. “We had no idea how well they'd do,” Rogers said. “Those two will obviously be strong candidates for next year.”

Half of the 26 monetary prize winners and 26 of the top 78 highest scoring participants — including the monetary prize winners and individuals given honorable mentions — were MIT students this year, Rogers said. “We dominated the com-

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“What *The Tech's* Staffers Did Over Spring Break”: Ecuador, China, and MIT through the lens

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WORLD & NATION

McCain Wrong on Iraq Security, Merchants Say

By Kirk Semple
THE NEW YORK TIMES

BAGHDAD, IRAQ

A day after members of an American congressional delegation led by Sen. John McCain, R-Ariz., pointed to their brief visit to Baghdad's central market as evidence that the new security plan for the city was working, the merchants there were incredulous about the Americans' conclusions.

"What are they talking about?" Ali Jassim Faiyad, the owner of an electrical appliances shop in the market, said Monday. "The security procedures were abnormal!"

The delegation arrived at the market, which is called Shorja, on Sunday with more than 100 soldiers in armored Humvees, and attack helicopters circled overhead, a senior American military official in Baghdad said. The soldiers redirected traffic from the area and restricted access to the Americans, witnesses said, and sharpshooters were posted on the rooftops.

Romney Reaps \$20 Million to Top GOP Rivals in First Quarter

By David D. Kirkpatrick
THE NEW YORK TIMES

WASHINGTON

Mitt Romney's presidential campaign said Monday that it had raised \$20 million during the first quarter, tapping two distant but rich networks — Wall Street and the Mormon church — to easily outpace his better known Republican primary rivals.

Sen. John McCain, the Arizona lawmaker once considered the front-runner, brought in \$12.5 million, his campaign said. It was an unexpected shortfall that could hamper his momentum, and his campaign acknowledged disappointment. Former New York Mayor Rudolph W. Giuliani's campaign said it raised about \$15 million. Both figures would have set records in previous years, but on Monday, they were dwarfed by the money raised by Romney and Sen. Hillary Rodham Clinton, D-N.Y., who brought in \$26 million.

Kevin Madden, a spokesman for Romney, said the total was "indicative of the extraordinary success he has had reaching out and discussing important issues with the American people." Madden credited an online system — called "com-Mitt" — that the campaign had set up for volunteer fundraisers to e-mail information and solicitations to their friends and associates.

Rebel Ambush in Darfur Kills Five African Union Peacekeepers

By Lydia Polgreen
THE NEW YORK TIMES

DAKAR, SENEGAL

Five African Union peacekeepers were killed in a brazen rebel ambush in Darfur less than a mile from their base along Sudan's border with Chad on Sunday evening, the African Union said on Monday.

It was the deadliest attack on the beleaguered African Union force since it was deployed to monitor a shaky cease-fire agreement in 2004. The motive for the ambush appeared to be theft — the rebels took one of the peacekeepers' trucks, though reinforcements killed three of the attackers, African Union officials said.

At least 15 African Union soldiers have been killed since the peacekeepers were deployed in 2004, and this latest attack will doubtless increase pressure from Rwanda and other major contributors of troops to either strengthen the small, under-equipped force or withdraw.

The African Union force has been waiting for nearly a year to hand its mandate to or fuse its operations with the United Nations, but Sudan has refused to allow any but African Union peacekeepers in Darfur. With just 7,000 troops to cover an area the size of France, little equipment, and a very limited mandate, the African Union force has been derided as ineffective at protecting civilians.

EPA Has Power to Regulate Gases, Rules Supreme Court

By Linda Greenhouse
THE NEW YORK TIMES

WASHINGTON

In one of its most important environmental decisions in years, the Supreme Court on Monday ruled that the Environmental Protection Agency has the authority to regulate heat-trapping gases in automobile emissions. The court further ruled that the agency could not sidestep its authority to regulate the greenhouse gases that contribute to global climate change unless it can provide a scientific basis for its refusal.

The 5-4 decision was a strong rebuke to the Bush administration, which has maintained that it does not have the right to regulate carbon dioxide and other greenhouse gases under the Clean Air Act, and that even if it did, it would not use the authority. The ruling does not force the EPA to regulate auto emissions, but it would almost certainly face further legal action if it fails to do so.

Writing for the majority, Justice John Paul Stevens said the only way the agency could "avoid taking further action" now is "if it determines that greenhouse gases do not contribute to climate change" or provides a good

explanation why it cannot or will not find out whether they do.

Beyond the specific context for this case — so-called "tailpipe emissions" from cars and trucks, which account for about one-fourth of the country's total greenhouse gas emissions — the decision is highly likely to have a broader impact on the debate over government efforts to address global warming.

Court cases around the country had been placed on hold to await the decision in this case. Among them is a challenge to the EPA's refusal to regulate carbon dioxide emissions from power plants, now pending in the federal appeals court here. Individual states, led by California, are also moving aggressively into what they have seen as a regulatory vacuum.

Stevens, joined by Justices Anthony M. Kennedy, David H. Souter, Ruth Bader Ginsburg and Stephen G. Breyer, said that by providing nothing more than a "laundry list of reasons not to regulate," the Environmental Protection Agency had defied the Clean Air Act's "clear statutory command." He said a refusal to regulate could be based only on science and "reasoned justification," adding that while the statute left the central de-

termination to the "judgment" of the agency's administrator, "the use of the word 'judgment' is not a roving license to ignore the statutory text."

The court decided a second Clean Air Act case on Monday, adopting a broad reading of the EPA's authority over factories and power plants that add capacity or make renovations that increase emissions of air pollutants. In doing so, the court reopened a federal enforcement effort against the Duke Energy Corp. under the Clean Air Act's "new source review" provision. The vote in the second case, Environmental Defense v. Duke Energy Corp., was 9-0.

The two decisions left environmental advocates exultant. Many said they still harbored doubts about the federal agency and predicted that the decision would help push the Democratic-controlled Congress to address the issue. Even in the nine months since the Supreme Court agreed to hear the case, Massachusetts v. Environmental Protection Agency, and accelerating since the elections in November, there has been a growing interest among industry groups in working with environmental organizations on proposals for emissions limits.

Supreme Court Declines to Hear Detainees' Habeas Corpus Case

By Linda Greenhouse
THE NEW YORK TIMES

WASHINGTON

truncated, does not foreclose eventual consideration by the court after those appeals have run their course.

The men have all been held at Guantanamo Bay for more than five years, and none has been charged with a crime. They filed petitions for habeas corpus, challenging their continued confinement, before Congress ordered in the 2006 law that all such petitions must be dismissed and no new ones could be accepted for filing.

Ordinarily, the Supreme Court makes no comment when it turns down an appeal. In this instance, the court offered an unusual degree of transparency, with two separate opinions accompanying the one-sentence order denying the two petitions.

One was a dissenting opinion from three justices, Stephen G. Breyer, David H. Souter and Ruth Bader Ginsburg, who voted to hear the cases as "significant ones warranting our

review," as Breyer said in an opinion that spoke for the three.

The separate opinion was a statement "respecting the denial," signed jointly by justices John Paul Stevens and Anthony M. Kennedy. They explained why they voted against hearing the cases. They said the court should follow its usual practice for ordinary prison inmates and require "the exhaustion of available remedies as a precondition to accepting jurisdiction over applications for the writ of habeas corpus."

Despite the apparent transparency, the real story was probably one that no justice acknowledged: the inability of the court's four most liberal members, justices Stevens, Breyer, Souter and Ginsburg, to count on Kennedy's eventual vote.

While four votes are sufficient to grant a case under the court's rules, five are of course necessary to win it.

WEATHER

April Showers

By Scott Stransky
STAFF METEOROLOGIST

The saying goes "April showers bring May flowers." We will certainly get to experience those April showers this week, as we return to work after the break.

A large front that produced severe storms over the plains (including some tornadoes) has stalled over us and most of the United States for the duration of this week. It will give us dreary conditions: cold and damp with on-and-off rain showers, and possible snow showers at night. Temperatures will remain below 50°F (10°C) during the day, and will fall to near freezing at night.

As far as the extended forecast, the temperatures appear to be holding below 60°F (16°C) for the next few weeks, but there is a clearing trend towards this weekend.

Extended Forecast

Today: Clouds and some rain. High 41°F (5°C).

Tonight: Rain, possibly mixing with sleet. Low 35°F (2°C).

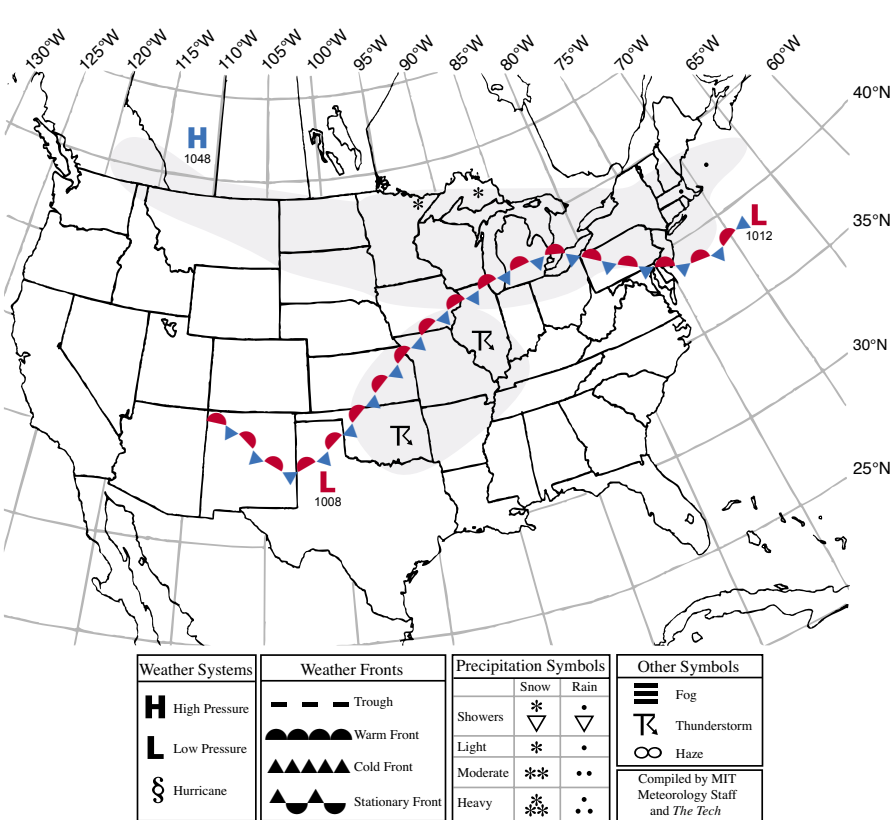
Tomorrow: Some rain likely. High 41°F (5°C).

Tomorrow night: Rain, possibly mixing with sleet or snow. Low 35°F (2°C).

Thursday: Chance of some more rain. High 46°F (8°C).

Thursday night: Rain showers. Low near 33°F (1°C).

Situation for Noon Eastern Daylight Time, Tuesday, April 3, 2007



Top Shiite Cleric Opposes U.S. Plan Concerning Baath Party

By Edward Wong
THE NEW YORK TIMES

BAGHDAD, IRAQ

The most powerful Shiite cleric in Iraq has rejected an American-backed proposal to allow thousands of former members of Saddam Hussein's Baath Party to return to government service, an aide to the cleric said on Monday.

The rejection by the cleric, Grand Ayatollah Ali al-Sistani, appears certain to fuel hostility between the majority Shiites and the former ruling Sunni Arabs, since many Sunni Arabs say they were unfairly purged from the government in the clampdown on the Baath Party.

The Americans say a partial reversal of the de-Baathification process, which began in 2003, is one of the most crucial steps the Iraqi government can take in wooing back disaffected Sunni Arabs and draining the Sunni-led insurgency of its zealotry.

The White House has repeatedly told the Iraqi government that the process must be changed.

The latest proposal was announced by Prime Minister Nouri Kamal al-Maliki and President Jalal Talabani on March 26 at the strong urging of Ambassador Zalmay Khalilzad, the senior American envoy to Iraq, who left his job the same day. American officials oversaw the drafting of the proposal.

Sen. John McCain, an Arizona Republican and candidate for president who advocates a troop increase in Iraq, said in an upbeat news conference here on Sunday that the Iraqis had demonstrated political progress by committing to revising the de-Baathification law.

But an aide to al-Sistani said on Monday that there was a "general feeling of rejection" over the proposal.

Al-Sistani, who lives in the holy

city of Najaf, generally does not issue proclamations himself, preferring to make his edicts known through his aides or other Iraqi officials. His word is considered sacrosanct not only among the Shiites in Iraq but also among those throughout the world, so his rejection of the draft law means it has virtually no chance of passage.

The Bush administration urged the Iraqi government to follow through with the revision of the law. A senior official said on Monday that he hoped that al-Maliki would work with al-Sistani to figure out a way to differentiate between Saddam loyalists and lower-level Baath Party functionaries. "Among the political benchmarks which the Iraqis themselves have set, this is among the most difficult," the official said.

News of the rejection drew harsh criticism from Sunni Arab leaders on Monday.

Massachusetts to Affirm 26 Same-Sex Unions of 2004

By Katie Zezima
THE NEW YORK TIMES

BOSTON

Gov. Deval L. Patrick of Massachusetts has ordered the state Department of Public Health to register the marriages of 26 out-of-state same-sex couples whose licenses were kept from state records by the former governor.

The move is mostly symbolic, and means the certificates will be included in a bound index of marriage licenses issued in 2004. It does not change the marriages' legal status.

The couples filled out marriage applications in the days following the start of same-sex marriages here on May 17, 2004. All of them were completed in four cities and towns whose clerks defied an order by Gov. Mitt Romney not to marry same-sex couples from outside Massachusetts who did not intend to move here.

A 1913 law, upheld by the state's highest court last year, forbids couples from marrying in the state if the union is not legal in their own state.

John Auerbach, commissioner for the health agency, which keeps marriage records, recently brought the matter to Patrick's attention.

Kyle Sullivan, a spokesman for Patrick, said: "There was no legal basis for separating these certificates in the first place."

Of the 26 couples, two were from Rhode Island, Sullivan said.

A Massachusetts superior court judge ruled in September that Rhode Island does not expressly prohibit same-sex marriages and that its residents can marry in Massachusetts. The Rhode Island attorney general, Patrick Lynch, has said his state should recognize the unions.

South Korea, U.S. Agree on World's Largest Bilateral Free Trade Deal

By Choe Sang-Hun
THE NEW YORK TIMES

SEOUL, SOUTH KOREA

U.S. and South Korean negotiators struck the world's largest bilateral free trade agreement on Monday, giving the United States a badly needed lift to its trade policy at home and South Korea a chance to reinvigorate its export economy.

Negotiators announced the agreement, the culmination of a 10-month effort.

"This is a strong deal for America's farmers and ranchers, who will gain substantial new access to Korea's large and prosperous market of 48 million people," Karan K. Bhatia, the deputy U.S. trade representative, said in Seoul on Monday.

"Neither side obtained everything it sought," he added.

If ratified, the trade deal would eliminate tariffs on more than 90 per-

cent of the product categories traded between the countries. South Korea agreed to lift trade barriers to important American products like cars and beef, while the United States agreed to allow Seoul to continue to subsidize South Korean rice.

The agreement is a significant victory for the Bush administration, which needed a prominent deal with clear benefits for American producers to shore up support for bilateral trade pacts with Panama, Peru and Colombia, which have thus far received a cool reception from a skeptical Congress.

Free trade between the United States and South Korea — the world's largest and 11th-largest economies, respectively — could give American companies an important stronghold in Asia, where they have steadily ceded market share to European, Japanese and Chinese

competitors.

The deal may also prompt a wave of bilateral trade pacts as an alternative to stalled multilateral negotiations under the World Trade Organization, economists said Monday.

As South Korean workers and farmers protested in the streets — on Sunday, one man even set himself on fire — negotiators haggled to the end early on Monday.

The breakthrough came when both sides compromised on the most delicate deal-breaking issues. Washington dropped its demand that the South Korean government stop protecting its politically powerful rice farmers, and Seoul agreed to resume imports of American beef, halted three years ago over fears of mad cow disease, if, as expected, the World Organization on Animal Health declares U.S. meat safe in a ruling next month.

Master of Search Seeks Mastery of the TV Dial

By Miguel Helft
THE NEW YORK TIMES

SAN FRANCISCO

Following its conquest of YouTube last year, Google is now aiming for a piece of the old-fashioned tube.

The Internet search giant is announcing Tuesday that it will begin selling television ads on the 125 national satellite programming channels distributed by EchoStar Communications' DISH Network.


The agreement is Google's latest foray into offline media, and it underscores the company's ambition to bring its wildly successful online advertising technology and auction-based pricing to new markets to continue fueling the company's rapid growth.

Google's online advertising technology has appealed to advertisers in large part because it allows them to aim ads effectively at specific audiences and users, and to measure the performance of those ads quickly. The company hopes it can bring those forces to old-line media.

"We think we can add value to this important medium by delivering more relevant ads to viewers, providing better accountability for advertisers and better monetize inventory for TV operators and programmers," Google's chief executive, Eric E. Schmidt, said in a statement announcing the EchoStar partnership.

Last year, Google began tests to sell radio spots and newspaper ads. Those tests have been inconclusive so far, and some analysts say the company needs to show investors that it can succeed in a market other than Internet search and advertising, which accounts for the bulk of its revenue.

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OPINION

From the Editor

After receiving comments from some readers, we would like to clarify the role of *The Tech's* opinion section, which includes letters, opinion columns, and editorials.

Letters are usually written by readers in reaction to content that was published, while columns are authored by staff or guest writers on any topic. Editorials are written by our editorial board, members of which are listed in the "Opinion Policy" box at the bottom of this page. Editorials are an important opportunity for the student newspaper to voice its

opinion and add to the campus-wide discussion on student government elections and all other important issues.

As a whole, the opinion section does not influence our news content. News articles should be fair to all sides and serve to inform, but opinion columns and editorials, which serve to facilitate debate, can (and should) take a side.

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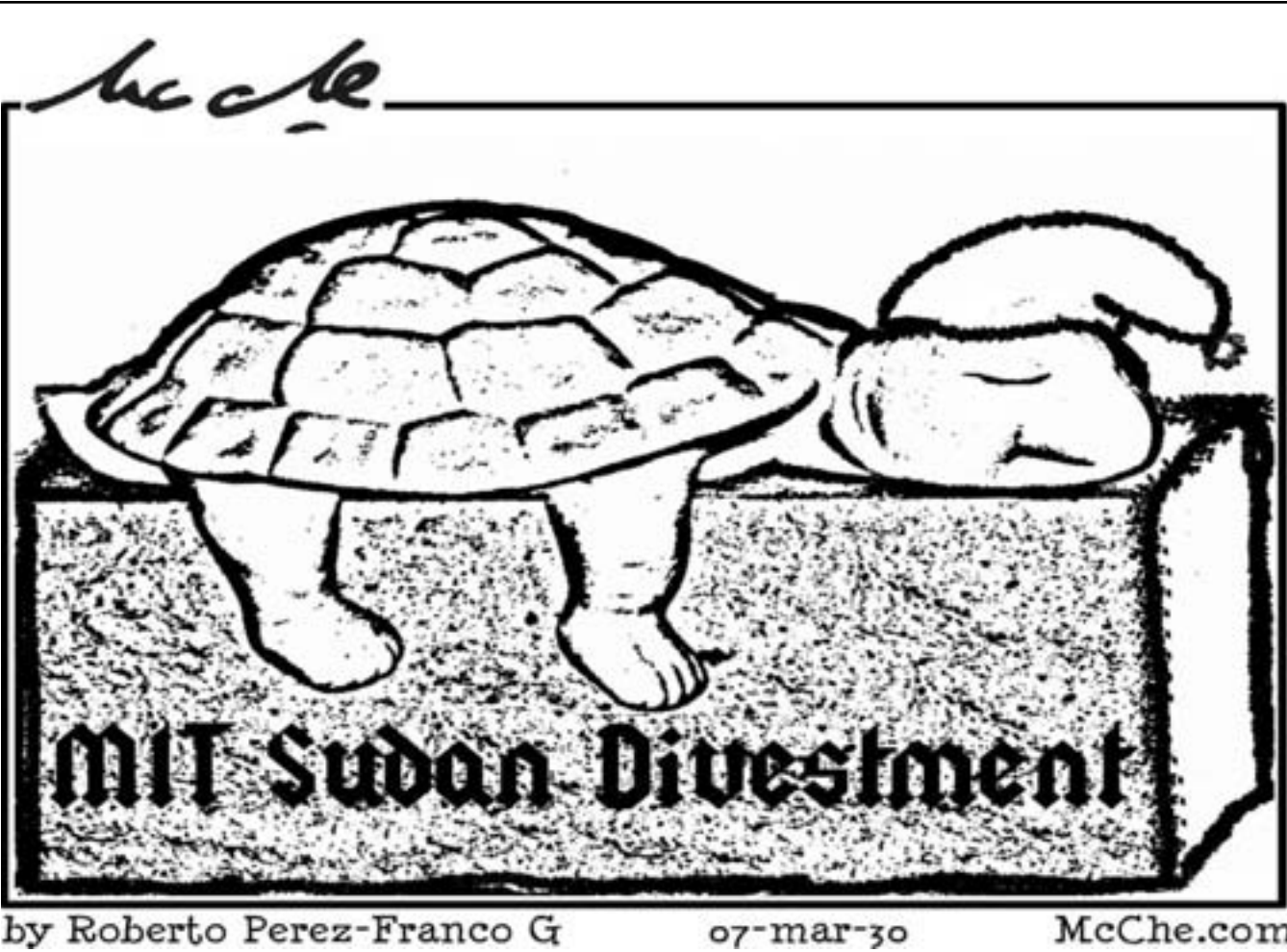
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Corrections

The photo of Storm Troopers marching in the St. Patrick's Day Parade on page 9 of the March 20 issue was incorrectly credited to Kristina M. Holton. It was actually taken by Christine Moran.



"As a first step to end the crisis, Her Majesty's Government has recommended that the Iranian leadership start taking Ritalin."

Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of Chairman Michael McGraw-Herdeg, Editor in Chief Marie Y. Thibault, Managing Editor Austin Chu, Executive Editor Rosa Cao, and Opinion Editors Barun Singh and Aditya Kohli.

Dissents are the opinions of signed members of the editorial board choosing to publish their disagreement with the editorial.

Letters to the editor, columns, and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m. two days before the date of publication.

Letters, columns, and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted.

The Tech reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

Guest columns are opinion articles submitted by members of the MIT or local community and have the author's name in italics. Columns without italics are written by *Tech* staff.

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure whom to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. You can reach the editor in chief by e-mailing eic@the-tech.mit.edu. Please send press releases, requests for coverage, and information about errors that call for correction to news@the-tech.mit.edu. Letters to the editor should be sent to letters@the-tech.mit.edu. The Tech can be found on the World Wide Web at <http://www-tech.mit.edu>.

ARTS

INTERVIEW

Blink and You'll Miss It

High-speed Photography Exhibit Links MIT and Austria

By **Jillian A. Berry**
ARTS EDITOR

2fast4U
April 2–19, 2007
www.redwired.org/2fast4u

Starting this week, third year MIT graduate student Daniel G. Pressl G will be presenting some of his impressive high-speed photography work at an exhibition in Austria entitled “2fast4U.” Pressl has set up booths in the Infinite Corridor and Stata Center that will allow MIT students to interact with people at the Austrian exhibit. I was able to sit down with Pressl, and he told me about his project and how people in the MIT community can get involved.

The Tech: What is your project about?

Daniel Pressl: I am the organizer for a photography exhibition in Austria. This exhibition in Austria is a collaboration between MIT, the Edgerton Center at MIT, the Edgerton Explorit Center in Aurora, Neb., Bob Edgerton, the son of Harold “Doc” Edgerton, a photographer called Martin Waugh ... and two schools in Austria. I am originally from Austria, and the exhibition was taking place in Austria. But MIT being a big part of the exhibition, what I’m doing right here in the Infinite hallway is an ability for MIT students to communicate and look at the exhibition and communicate with visitors at the exhibition through this booth here. So people at the exhibition will be seeing students in the Infinite hallway or at the Stata Center where another booth will be built, and they’ll be able to talk to them and they can tell MIT students how the exhibition is, the MIT students can talk to Austria, tell them things about MIT and what they know about high-speed photography and that it was invented here, basically pioneered here.

TT: What will be at the Austrian exhibition?

DP: At the Austrian exhibition you will see prints of around five to ten students from MIT

— me included. I like shooting chocolate, I like shooting playing cards, I shoot balloons with bullets or paintballs. I’ve now started to take pictures of things being shot with paintballs because it’s safer and currently a paintball gun is at the Edgerton Center ... There will be interactives at the exhibition, such as the “Piddler” or other things that you can see at the Strobe Alley or at the MIT Museum, such as the spinning wheels where you can suddenly freeze the motion of the wheel or you can see animation on the wheel — those are called Strobe discs — and those things students from the schools in Austria built over the past couple months. The exhibition will open [Friday, March 30, 2007].

TT: Where will the exhibition be opening in Austria?

DP: In my hometown of Wolfsberg, a town in Austria in the region Carinthia.

TT: Is the exhibition taking place in a school?

DP: It’s a large exhibition hall that was built a couple of years ago. It’s a very modern thing with large halls. We will also have prints from Harold Edgerton himself, originals, that are shipping right now from America to Austria. All together there will be between 70 and 100 prints at the exhibition; probably one of the largest exhibitions of high-speed photography.

TT: How long will the event be open in Austria and available to MIT students?

DP: It will be open in Austria for three weeks starting next week on Friday ...

The booth will start on the second of April and will be open until the 19th of April, that’s when the exhibition ends in Austria

TT: Explain more about what exactly the booth will be for MIT students.

DP: MIT students can walk by, stop here, look at art to be shown at the exhibition in Austria, but also be able to partially be at the exhibition. They’ll be able to take pictures of themselves, download them later. People at the exhibition can take pictures, MIT will be able to download those as well ... You’ll also be able to talk to them.

TT: When did you begin this project?

DP: I started thinking about this in Fall of

2006. I had the name of the idea in my head and it just kept growing.

And grow it did. 2fast4u is a collaboration between the Edgerton Center at MIT (<http://web.mit.edu/Edgerton>), Daniel G. Pressl G, Alec M. Resnick ‘09, Omari S. Stephens ‘08 (also a photographer for *The Tech*), Mohamed A. Haji ‘06, Nicolas LaCasse, students from two schools in Austria (Stiftsgymnasium St. Paul and the HTL Wolfsberg), the Edgerton Explorit Center in Aurora, Neb. (www.edgerton.org), Bob Edgerton, the son of Harold Edgerton, Martin Waugh (www.liquidsculpture.com), Loren Winters (www.hiviz.com), and many more.



DANIEL G. PRESSL G

Travelling at 100 meters per second, a paintball punctures a balloon in a high-speed flash photograph shot for the 2fast4u photography exhibition.

Not *ULYSSES* Grant



Not Hugh Grant



IT'S *Council for the Arts*



grant!

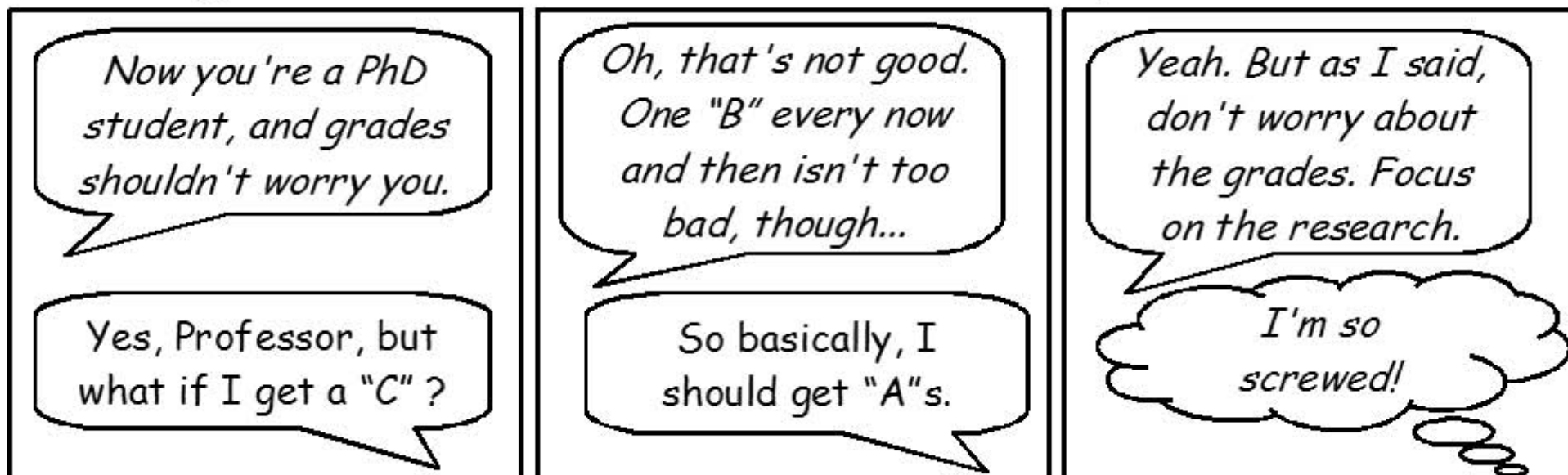
Application deadline: April 6, 2007

Contact: Susan Cohen at cohen@media.mit.edu

Application: <http://web.mit.edu/arts/do/funding/grantguide.html>

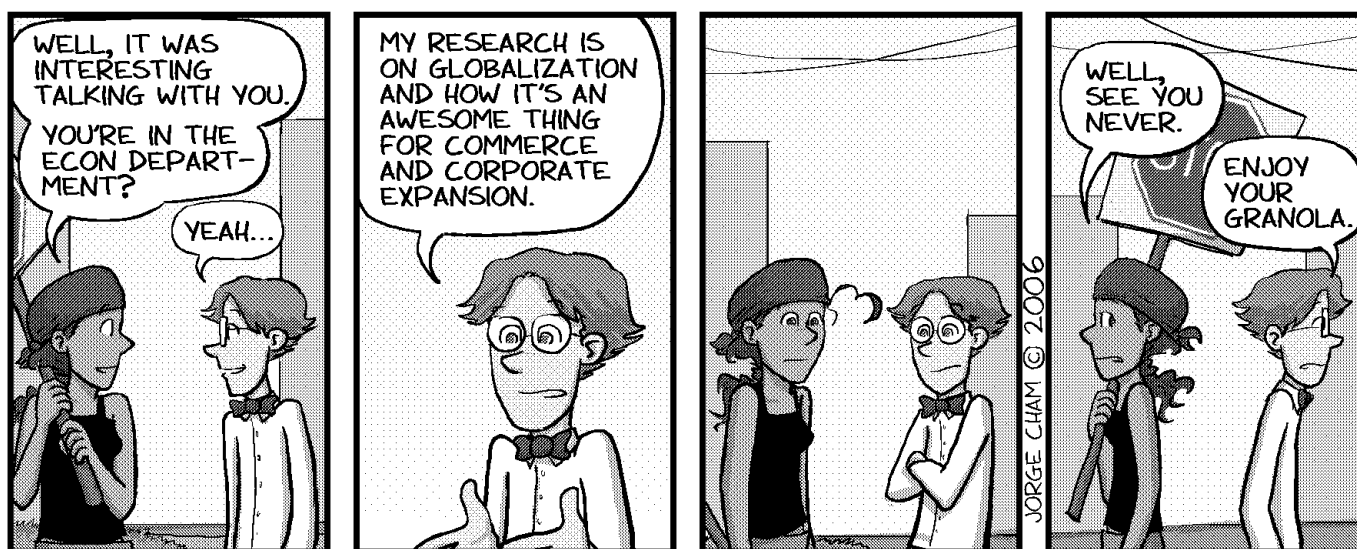
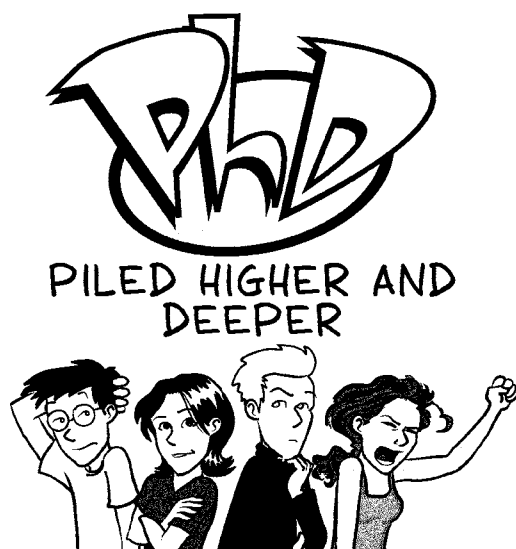
Run Bug

by Roberto Perez-Franco

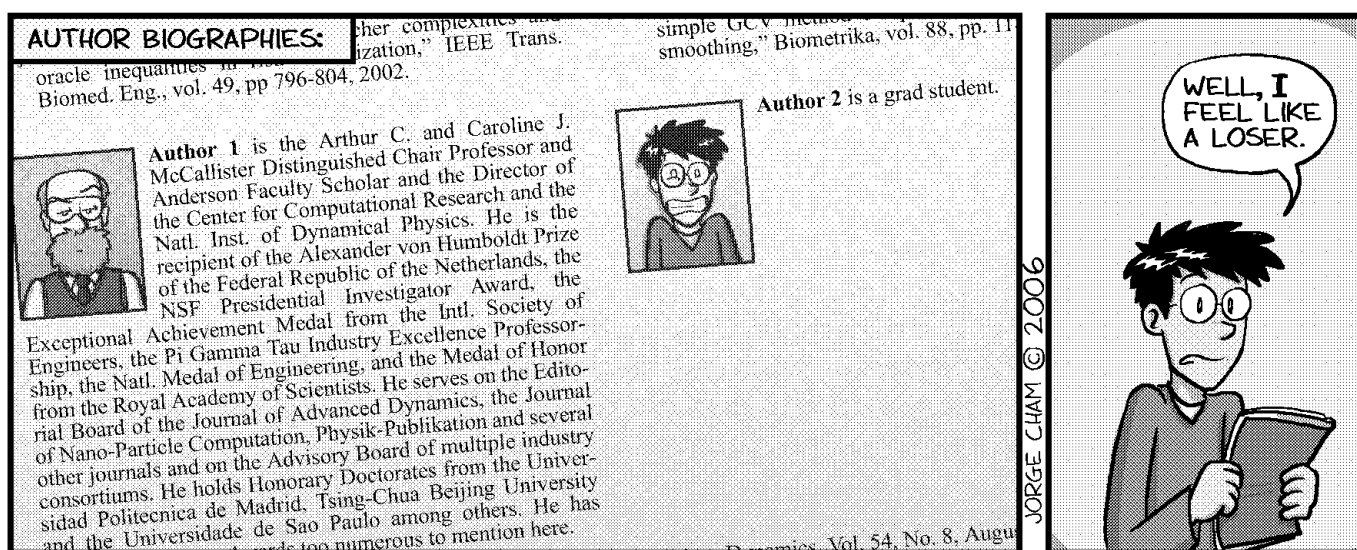
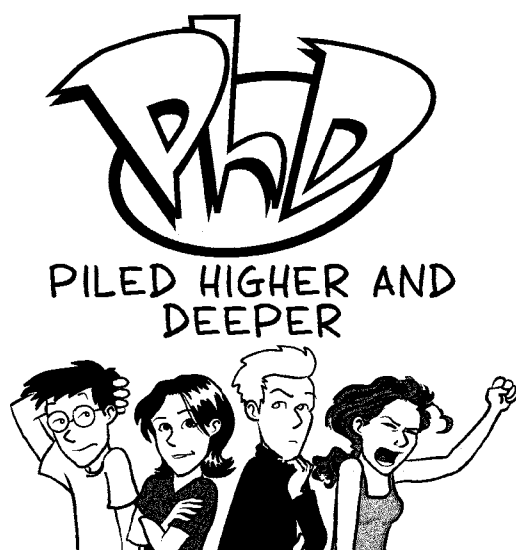


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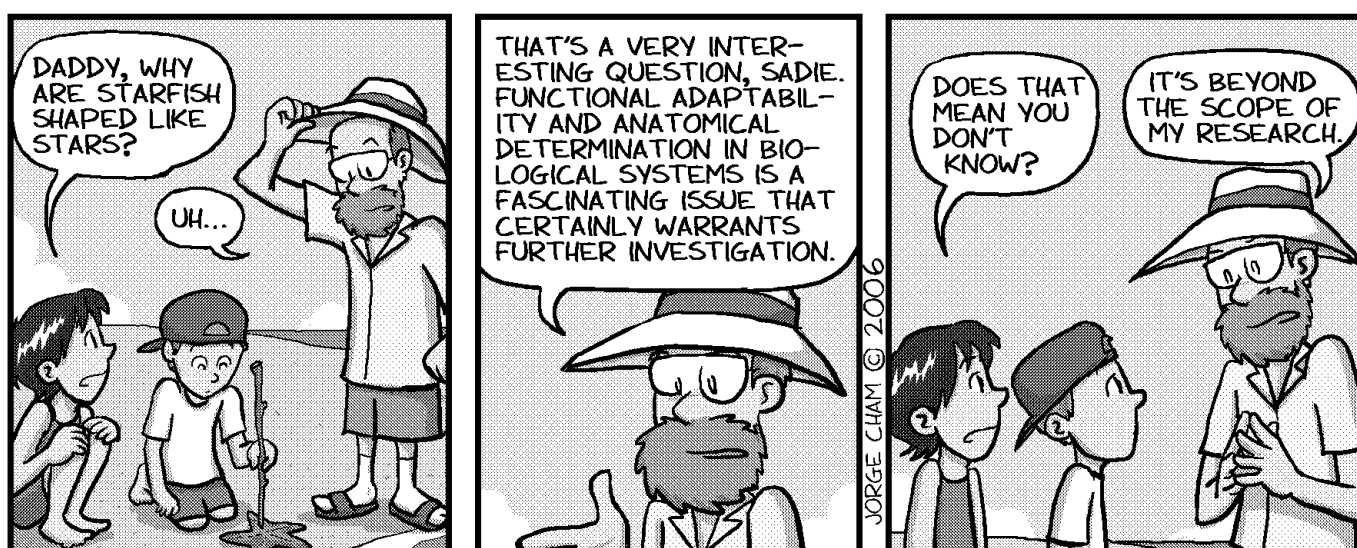
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Doonesbury
BY GARRY TRUDEAU

Dilbert® by Scott Adams

Crossword Puzzle

Solution, page 16

ACROSS

- 1 __-Saxon
- 6 Brewery supply
- 10 City near Phoenix
- 14 Matthau's love in "Grumpier Old Men"
- 15 Eye part
- 16 Event for all comers
- 17 Pour it on
- 20 "__ Pinafore"
- 21 Bird crop
- 22 All-seeing one
- 23 Headache remedy
- 25 Persian word?
- 26 Annoy
- 28 Cut corners
- 32 James of "Boston Legal"
- 35 Musician's asset
- 37 Olds creation
- 38 Pour it on
- 42 Brynner of "Westworld"
- 43 In addition
- 44 Full of spirit
- 45 Sad piece
- 48 Overthrows
- 50 Chimed
- 52 Now hold on!

- 56 Esoteric
- 59 Shuttle grp.
- 60 Cover
- 61 Pour it on
- 64 School on the Thames
- 65 Eat fancily
- 66 Irregularly worn
- 67 Studio structures
- 68 Words from a pro?
- 69 Was deserving

DOWN

- 1 Omega's opposite
- 2 Averages
- 3 Comprehend
- 4 Kauai souvenir
- 5 In camera range
- 6 "Teenage __ Ninja Turtles"
- 7 Declare openly
- 8 Consent to
- 9 Western resort lake
- 10 Schenectady's river
- 11 Larger-than-life
- 12 Move merchandise
- 13 Pony up
- 18 Neighbor of Djibouti

1	2	3	4	5	6	7	8	9	10	11	12	13
14					15				16			
17					18				19			
20				21				22				
23			24				25					
26						27		28	29	30	31	
32	33	34				35	36		37			
38						39		40	41			
42				43			44					
45		46	47	48	49							
50				51		52			53	54	55	
56	57	58				59			60			
61						62			63			
64				65				66				
67				68				69				

- 19 Aphrodite's child
- 24 Of India: pref.
- 25 Small-minded
- 27 West Yorkshire city
- 29 Spring bloom
- 30 Hook up
- 31 Floral arrangement
- 32 Eyelid woe
- 33 The Beatles bassist
- 34 Rod in a rod
- 36 Invigorate
- 39 Comfy
- 40 Habitual criminal
- 41 Dorothy or Lillian
- 46 Cereals
- 47 Sudden pull
- 49 Applications
- 51 Impoverished
- 53 "The Naming of Cats" poet
- 54 Shampooing step
- 55 Sidled
- 56 Becomes mellower
- 57 Mechanical learning
- 58 Coagulate
- 59 1492 caravel
- 62 Fabrication
- 63 FDR's Blue Eagle

su | do | ku

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.
Solution on page 19.



Get Involved !

Run for a Committee Chair Position at Sidney Pacific

Apply at s-p.mit.edu
Between 3/21 and 4/4

for a chance to
and for a housing spot

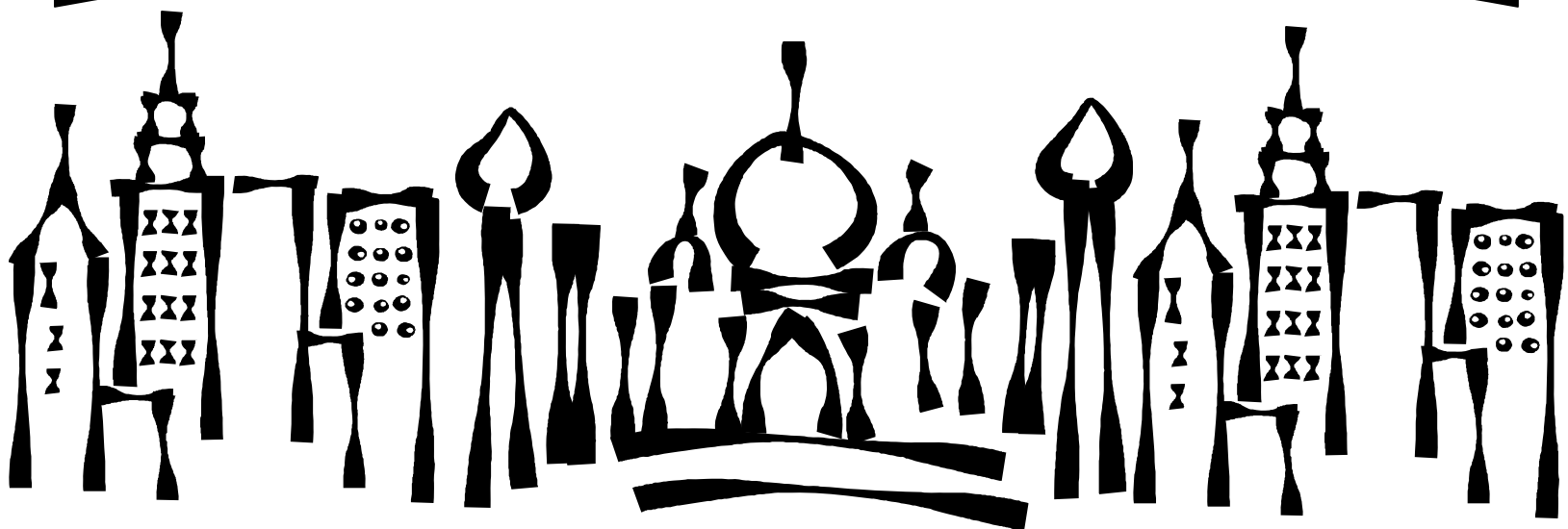
contribute to your community
at S-P for the year 07-08



Open to Entire MIT Graduate Community

MIT South Asian American Students present...

Desi Pardesi



Culture Show 2007!

April 6 – Kresge Auditorium

7:00PM – 10:00PM

Tickets (\$5) on Sale: April 3-6, Lobby 10

Questions? Email saasboard@mit.edu

Coop Student Board Election Update

The following student Coop members are candidates for the Coop Board of Directors for the 2007-08 academic year.

M.I.T. UNDERGRADUATE AND GRADUATE STUDENTS:

Alexander St. Claire 2008
Rebecca Oman 2008
Karlen Ruleman 2008
Kevin Castelo MIT Sloan 2008

HARVARD UNDERGRADUATE STUDENTS:

Jenny Tea 2008
Ronald Anguas 2008
Pierpaolo Barbieri 2009
Maggie Hsu 2008
Tim Smith 2008

HARVARD GRADUATE STUDENTS:

Lulu Wang GSAS 2011
Dan Bachner HLS 2008
Jodi Beggs HBS 2008
Manas Kausik HSPH 2008



[HTTP://www.thecoop.com](http://www.thecoop.com)

VOTE NOW!
www.thecoop.com



What's Going On?

MIT can be a bewildering place if you don't know what's going on.

Don't be a confused panda!
Instead, be a smart panda.
A happy panda.

Tech reporters hunt down news; photographers get exclusive shots; arts reviewers attend exclusive contents and interview stars; opinion writers rouse campus support (or ire) on important topics; our business department sells advertisements from all over the nation; and production staff see the entire issue—even the parts that don't make it to press—long before we print.

Want in? Join *The Tech*!



join@the-tech.mit.edu

FRESHMEN!

You're invited to the

Course 15 Open House

Sponsored by the

MIT Sloan School of Management
Undergraduate Program in Management Science

TODAY

4:00 - 5:30 PM

Faculty Club
Dining Room Five
(E52, sixth floor)

Refreshments provided

Learn how our program can give you the skills needed to excel in today's technologically oriented business world.



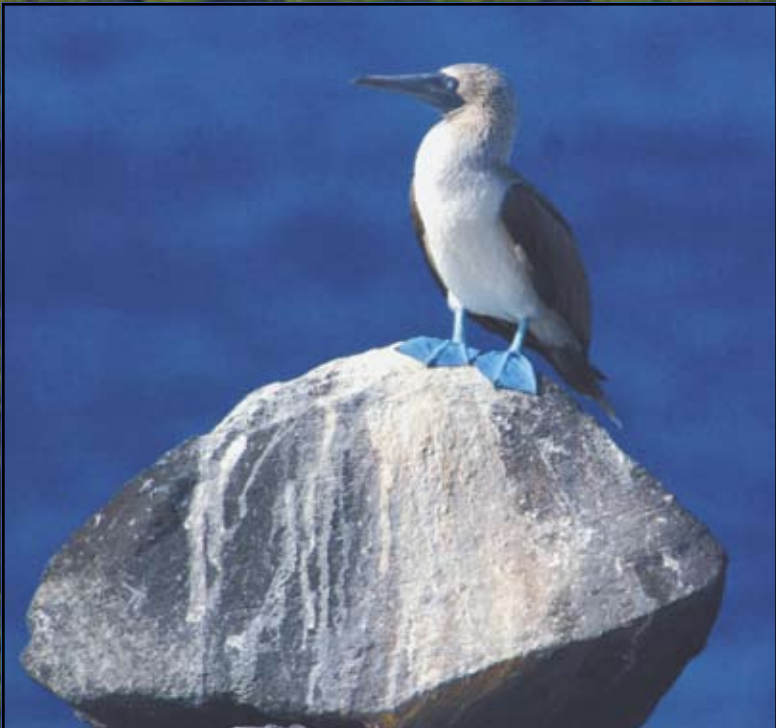
Choose from concentrations in:
Finance, Information Technologies,
Marketing Science, and
Operations Research



Spring Break in Ecuador

Eric D. Schmiedl

Spring



Spring Break in China



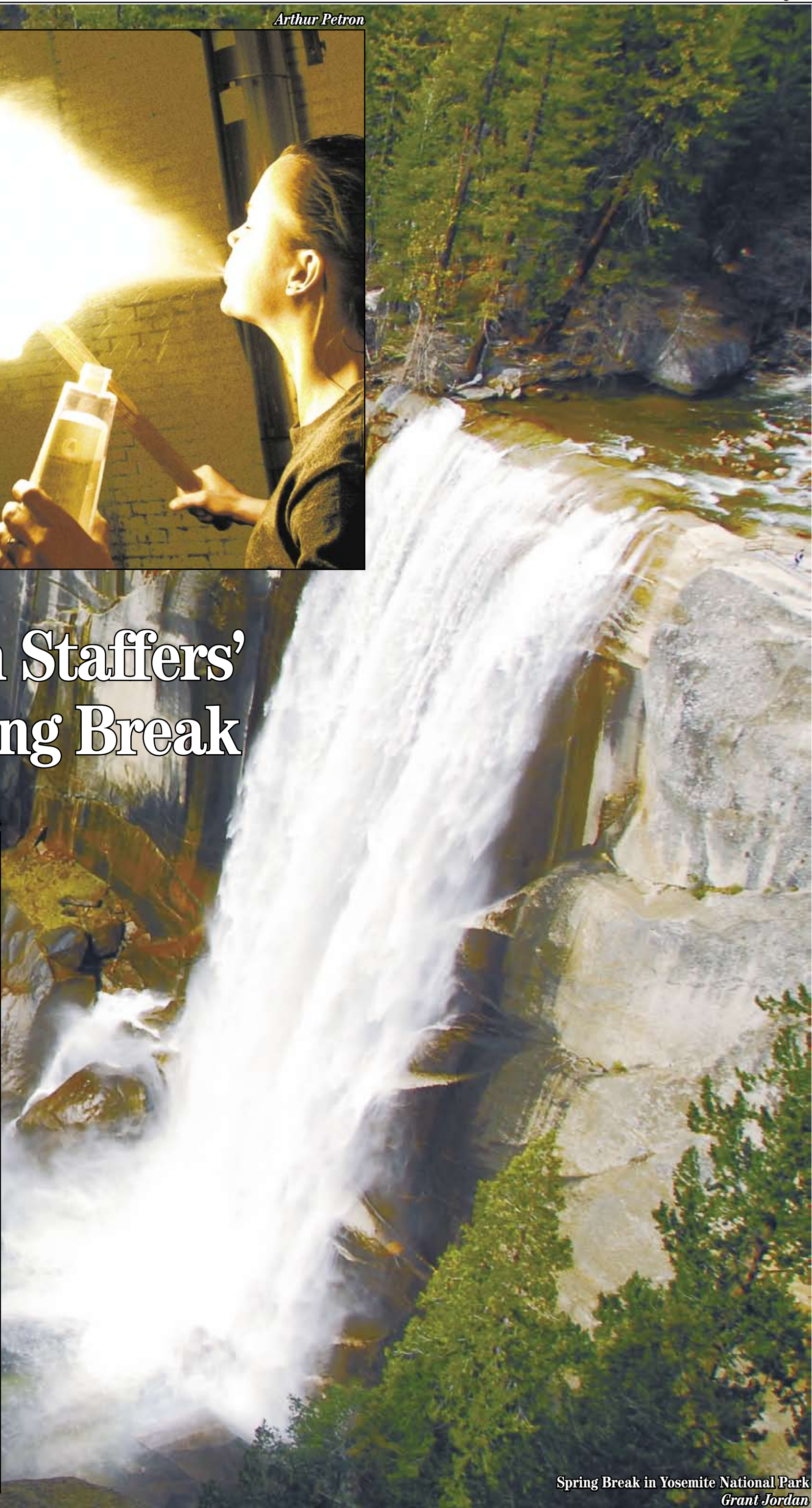
Break at MIT

Arthur Petron



Tech Staffers' Spring Break

Barun Singh



Spring Break in Yosemite National Park
Grant Jordan

Tech Reporter Takes Flight Over Massachusetts Town

By Benjamin P. Gleitzman
NEWS EDITOR

While many students battled long lines at airport security checkpoints en route to spring break vacation destinations, I was strapped in and cleared for takeoff in the cockpit of a single-engine Warrior III airplane at Hanscom Field in Bedford, Mass. A complete novice in the area of aeronautics, I maneuvered the aircraft into position on the tarmac, my palms more than a little sweaty.

My flight instructor, Maurice Morneau of the East Coast Aero Club, checked the bevy of dials, knobs, and switches on the instrument panel with a trained eye as air traffic control gave our craft the green light for takeoff. Nudging the throttle, the propeller sprang to life and the craft sped down the airstrip. I couldn't suppress a wide smile as the ground fell away and the plane crept into the sky.

The East Coast Aero Club is one of over 3,500 flight schools listed through Project Pilot, a directory from the Aircraft Owners and Pilots Association that links interested flyers with flight schools around the country. The site boasts accessible, affordable flying opportunities with an FAA-certified flight instructor where you control the aircraft from takeoff to landing. Having never set foot in the cockpit of a small aircraft,



RICARDO RAMIREZ—THE TECH

Certified Flight Instructor Maurice Morneau (right), runs Tech News Editor Benjamin P. Gleitzman '09 through his pre-flight checklist before taking to the skies.

I was shocked and surprised by the amount of control given to the trainee during the lesson. Although my instructor was ready to take control

in the event of the unexpected, I was encouraged to execute many of the maneuvers during the time spent in the air.

"If you can handle Hanscom Field, you can handle any field in the country," said Morneau, who fell in love with flying while serving with

the U.S. Army in Germany. "It gets as busy as Logan [Airport]." Now retired, Morneau takes to the skies in one of ECAC's 32 aircraft to accompany would-be pilots and enthusiasts during the 40 hours of required flight training to obtain a pilot's license.

After takeoff, we spent a few minutes getting oriented within the aircraft. Confronted with the sheer complexity and number of dials within the plane, there's an intense urge to keep your eyes locked on the instrument panel rather than watch where the plane is heading. Morneau reminded me time and again to keep my eyes over the nose of aircraft and look toward the horizon. Coming from a lifetime of lackluster flights from commercial airlines, the view from the Warrior was quite spectacular.

Once oriented, Morneau explained the process of a turn. The mention of rudders, altitude, and airspeed were a bit much to grasp at first, but it became apparent that a coordination of control stick and foot pedals were required for proper execution. Our first attempt was a 45 degree turn to the right. Checking for other airplanes in the area, we began to roll the aircraft to the right. Even with a modest background in trigonometry, tilting a plane at 45 degrees is much more intense than expected. Unlike a car, a plane will not pull back to center during a turn, and we spent a few minutes effortlessly circling the sky above Bedford. Leveling out, Morneau reminded me again to keep my eyes on the horizon to fight any feelings of vertigo.

In the little under an hour spent in the air, we experimented with altitude, discussed airspace restrictions, and completed a more daring 55 degree turn. With the clear weather, the ocean was visible against the horizon as we navigated back to Hanscom Field. The runway in view, my thoughts drifted to numerous failed attempts as a child to land properly in Nintendo's Top Gun. Again given the green light by ATC, Morneau and I brought the aircraft to a surprisingly smooth stop on solid ground. Adrenaline pumping, I exited the aircraft with my limbs — and lunch — intact.

Back at the terminal, Mark Holzwarth, owner and president of ECAC, explained the flight training process. "With two, three-hour chunks [of flying time] a week, you can have your license in three to four months." Licenses are valid for life with biennial flight reviews. Prices start at \$85 an hour for aircraft rental, and ECAC lists instruction rates starting at \$25 an hour for a helicopter and \$45 an hour for an airplane.

More information on Project Pilot and the East Coast Aero Club can be found at projectpilot.org and eastcoastaeroclub.com.

MIT Campus Preview Weekend
April 12-15, 2007

Humanities, Arts, and Social Sciences OPEN HOUSE

Choice of Majors Fair

Thursday, April 12

12:00 — 2:00

Walker Memorial

A lively and informative Open House geared towards highlighting the undergraduate academic programs in humanities, arts, and social sciences at MIT.

FREE LUNCH!



Rogers, Ryder to Leave in June

Students to Be Involved in Selecting a Replacement for the Deans

Deans, from Page 1

President Andrew T. Lukmann '07 said. "It's not that much of a surprise that students aren't consulted in personnel decisions."

Lukmann said that Benedict promised him that students would be part of the search process for a replacement.

Rogers oversees the entire FSILG system, about 1,500 students, and works on leadership development, chapter advising, and reaching the goals of the chapters and officers.

Ryder's job description includes providing leadership to the Residential Life Associates program, the Deans on Call program, dormitory programming, and working with the SLOPE Orientation planning committee. He also supports the Graduate Residence Tutor program by helping train new GRTs. He said that he feels he has made a strong impact on the training program by making it more systemized and productive.

Lukmann said that while he served as the president of Simmons Hall and as Dormitory Council secretary, he worked with Ryder on a few projects. Ryder was "always quite helpful ... always seen as a pretty strong ally of dormitory students," Lukmann said.

Rogers said that during his time here, he started sending students to the Undergraduate InterFraternity Institute, a leadership institute. Last year, he helped bring UIFI to campus, where it was called IMPACT. This helped increase the amount of conversation students have about what it means to be in a fraternity or sorority, he said.

Before he leaves MIT, Rogers said that he will continue to connect with individuals within the FSILGs, and will work on some of the IMPACT 5, which are five areas of interest developed by the IFC and the Panhellenic Association during IMPACT.

InterFraternity Council President Daniel S. Eads '08 said that the IMPACT 5 addresses Greek unity, living your ritual, public image, risk management, and member apathy.

As for long-term plans, Rogers said that eight to 10 FSILGs may move to Cambridge from Boston over the next five years, though more detailed plans have not yet been made.

Eads said that Rogers has been a great Greek advisor who "always has his door open." Students, he said, are upset and sad to see Rogers go because he has had a very positive impact on the FSILG community.

Campus Preview Weekend will be a big part of Ryder's responsibilities this spring and he hopes to finalize GRT placements as well. He said he'd also like to make sure that SLOPE "gets left in good order." "People remember how you leave," he said.

Before coming to MIT in October 2004, Ryder was the assistant director for residential life at Northeastern University. He was also a hall director there. At Iowa State University, where he earned his masters in education, he was an assistant director for the honors program. He attended the College of William and Mary for his undergraduate education, earning a bachelors degree in history and government.

Rogers has spent his career working with fraternities and sororities. Before coming to MIT in 2001, he was the assistant director of Greek life at the University of Connecticut-Stores. His first job was at Merrimac College, where he spent two years as a Greek advisor and resident director.

During his undergraduate years at Lynchburg College, where he earned a bachelors degree in English literature, Rogers was a member of the Sigma Phi Epsilon fraternity. He served as a house father, the equivalent of a residential advisor, to the Sigma Phi Epsilon fraternity at the University of Rhode Island, where he earned his masters degree in student affairs.

Ryder said that he is looking at

the announcement as a positive opportunity. He is applying to doctoral programs in educational leadership and policy studies, something he already had plans to do a year from now. These studies might lead to a variety of career options, including policy-making, he said.

Rogers is also viewing the situation optimistically. "It's the sort of things that happen in the corporate world, the higher ed. world ... You accept it and move on."

As Rogers completes his doctoral

degree in higher education from the University of Massachusetts, he is job searching. But his next job will probably not be in Greek life, he said. He is looking both within and outside the realm of higher education and both on and off college campuses. There are few available positions similar to the one he has held here, and he said that he has been involved in Greek life for a long time, though he said he plans to continue volunteering as ritual steward for MIT's Sigma Phi Epsilon fraternity.

Police Log

The following incidents were reported to the MIT Police between March 8, 2007 and March 26, 2007. This summary does not include incidents such as false alarms, general service calls, larcenies, or medical shuttles.

- Mar. 8:** W20 (84 Mass. Ave.), 1:51 a.m., Domestic harassment.
Mar. 9: E53 (30 Wadsworth St.), Suspicious person issued trespass warning.
NW86 (70 Pacific St.), 7:15 p.m., Party reports she is being harassed by individual.
Mar. 11: E55 (60 Wadsworth St.), 3:03 p.m., MIT Police respond to Eastgate apartment; suspicious activity, found door ajar.
Mar. 12: W11 (40 Mass. Ave.), 7:33 a.m., Reports of a suspicious person sleeping in the Muslim Prayer Room; Gabbas, Fouad, 444 Harrison Ave., Boston, Mass., taken into custody on two outstanding default warrants.
M7 (77 Mass. Ave.), 7:34 a.m., Malicious damage to kiosk in Lobby 7.
M62 (21 Ames St.), 10:29 a.m., Reporting person was going through basement area and found a room which has chemicals marked "do not touch"; it appears someone has a lab set-up. Environmental Health & Safety notified; sending someone right over to evaluate. Cambridge Fire dispatched to scene from E2 (70 Amherst St.) to M62 (21 Ames St.).
SPE (518 Beacon St.), 3:38 p.m., Malicious damage to glass.
Mar. 15: M62 (21 Ames St.), 2:33 p.m., Warrant served; Ryan Davis, 21 Ames St., Cambridge, Mass., arrested by warrant.
W1 (305 Memorial Dr.), 8:48 p.m., Reporting person reports watch stolen from his room.
Mar. 20: M3 (33 Mass. Ave.), 8:35 a.m., Stolen camera.
NW21 (190 Albany St.), 4:20 p.m., MIT Police observed suspicious activity in rear of NW21; Dennis Burke, homeless, Cambridge, Mass., arrested for outstanding warrant and possession of Class "B" substance; arrested Jacqueline Bielakowski, homeless, Cambridge, Mass., for possession of Class "B" substance.
Mar. 21: NW30 (224 Albany St.), 1:45 a.m., Report of a homeless person needing assistance; states he was assaulted. Cambridge Police responded.
Mar. 22: M10 (122 Memorial Dr.), 3:04 a.m., Trespass warning issued for suspicious female in lounge area Bldg. 10.
Mar. 23: PDT (97 Bay State Rd.), 2:16 a.m., Victim reports a breaking and entering into the house; suspect fled in a motor vehicle; James P. Williams, 49A Saint James St., Boston, Mass., arrested by Boston Police for breaking and entering.

COMPILED BY ANGELINE WANG

MADMEC — MIT and Dow Materials Engineering Contest

Contest Kickoff:
April 3, 7 p.m.
32-124

Materials Solutions for Alternative Energy

MADMEC, a joint venture between MIT's Course III and the Dow Chemical Company, empowers MIT student teams to shape the future of alternative energy.

Come to the Kickoff Meeting to learn more about the competition details, innovation at Dow Chemical, successful MIT entrepreneurs, and \$10,000 in prizes!

<http://dmse.mit.edu/madmec>

COURSE III

He is not here; he has risen.



HOLY WEEK

Wednesday, April 4
Agape Meal with footwashing
Main Dining Room W11, 5:15pm

Friday, April 6
Solemn Good Friday Service
MIT Chapel, 12 noon

Sunday, April 8
Easter Vigil Service and Breakfast
MIT Sailing Pavilion (Bldg. 51), 5:15am
Dress warmly—service outside, weather permitting

Everyone is welcome at all events

Lutheran Episcopal Ministry at MIT
<http://web.mit.edu/lem>



You are welcome here

CLAY MATHEMATICS INSTITUTE • MUSEUM OF SCIENCE

Julia Robinson and Hilbert's Tenth Problem

Scenes from a film by George Csicsery

Film Screening
Thursday, March 15 at 7:30pm
Cahners Theater (Blue Wing, Level 2)
Museum of Science
Science Park, Boston

Followed by a panel discussion with
George Csicsery, Yuri Matiyasevich,
and Constance Reid



$x^2 - (a^2 - 1)y^2 = 1$

OPEN TO THE PUBLIC



Clay Mathematics Institute
claymath.org



Museum of Science
mos.org

A documentary film celebrating
the life and work of Julia Robinson.

Robinson, a pioneer among American
women in mathematics, is noted
for her role in the solution of Hilbert's
tenth problem.

Join us for a preview showing
of this new work-in-progress by
the writer, producer and director
of "N is a Number: A Portrait of
Paul Erdős," and other award-
winning documentaries.

Nightline

3-880

We're here to listen.

This space donated by *The Tech*

Work as a Counselor in MIT Admissions!

The **MIT Office of Admissions** has an opening for a **Graduating Senior** as an **Admissions Counselor**. This position involves:

- Reviewing applications and admitting the class of 2012
- Conducting informational sessions on campus and throughout the country
- Managing the 10-100 Admissions Reception Center

For a complete job description, please stop by 3-108.

Cover letter and resume should be dropped off by **April 21** to: MIT Admissions, 3-108, **Attn:** Edmund Jones

Computer Athlete:

High-volume, high-performance computer user



STUDENTS FLY CHEAPER

✈ Sample Roundtrip Airfares From **Boston** to:

New York	\$99	London	\$310
San Francisco	\$263	Paris	\$378
Los Angeles	\$283	Sao Paulo	\$712

[illegible] StudentUniverse.com

Computer Athlete Boot Camp

Thursday, April 5

5-6:30 p.m.

E25-101

(atrium near Kendall Square)

Speakers

Dr. David Diamond
Chief of Medicine, MIT Medical

Zan Barry
Center for Health Promotion
& Wellness, MIT Medical

Zahra Khan
G, Course 16

Are you computing six, eight, ten, twelve hours a day—or more? If so, you're a computer athlete, and this boot camp is for you!

Computer Athlete Boot Camp will help you maximize your productivity and give you tips on avoiding or minimizing repetitive strain injury (RSI).

If you're experiencing discomfort in your hands, wrists, arms, shoulders, or neck, if you are concerned that your discomfort is increasing, or if you would like to prevent repetitive strain and discomfort, join us for this information session!

For more information, contact Zahra Khan at (617) 910-7665.

Contra, Israeli, and International Folk Dancing for PE credit

Live folk music at contra dances!

Attend 6 dances, 8:00 – 9:30 pm:

Tuesday April 3	Contra Dance in the Sala
Wednesday April 11	Israeli Dance in W20-407
Sunday April 29	Int'l Folk Dance in W20-407
Tuesday May 1	Contra Dance in W20-491
Sunday May 6	Int'l Folk Dance in W20-407
Tuesday May 15	Contra Dance in W20-491

No partner or experience necessary.
All are welcome, whether taking the class or not.

FREE for MIT students.

Register in the PE lottery, or at the dance.

MIT Folk Dance Club <http://mit.edu/fdc>

E-mail Failures Sunday, Athena Failures Monday

MIT's mail system experienced its third outage in the past month on Sunday, April 1. The post office server po12.mit.edu was down for several hours between 4 p.m. and 10 p.m. Unlike the outages of po14 and po10 in early March, some incoming e-mail to the affected 250 users was bounced, or returned to its sender, with a cryptic error message. Information Services and Technology did not inform affected users of the outage, other than with a general notice on their outage announcement system, <http://3down.mit.edu>. IS&T was not able to estimate how many messages were affected and declined to provide information as to the cause of the outage or how likely it was to recur.

Yesterday, access to most Athena file servers (and to MIT's main Web site, <http://web.mit.edu>, which depends on Athena) was down for about half an hour around noon because of a failure of "redundant power supplies," according to an e-mail announcement from Theresa M. Regan of IS&T. The failure took out network connectivity to building W91, where many IS&T services are located.

—John A. Hawkinson

More Than 120 MIT Students Competed

Putnam, from Page 1

petition in a way that we never have before," Rogers said. A total of 129 MIT students took the test this year. For a full list of MIT students in the top 78, see below.

"We had substantially more [students] than any other university," Rogers said. Harvard had the second highest participation. Of the top 200 scorers, according to Rogers, 49 were from MIT and 28 from Harvard.

The MIT Mathematics Department will be rewarded \$15,000 for the third place win and each team member will receive \$600.

According to Stanley, he and Rogers teach a fall class for freshmen, called the Problem Solving Seminar (18.S34), which helps stir up interest in the Putnam and in problem solving.

The six hour, 12 problem exam

takes place on the first Saturday of each December and is open to any full-time undergraduate student in the United States and Canada. This year, 3,640 students from 508 colleges and universities participated, according to Rogers. There were a total of 402 teams.

The median score for this year's competitors was zero out of a possible 120 points. The top five scores ranged from 92–101, and the top 78 scores ranged from 53–101. MIT's median was around 20 points out of the possible 120, according to Rogers.

MIT's team placed fourth last year and first in 2003 and 2004.

For problems, solutions, a list of winners, and score distributions from this and previous years' competitions, see <http://www.unl.edu/amc/a-activities/a7-problems/putnamindex.shtml>.

67th Putnam Competition Results

MIT Team Members:

Oleg I. Golberg '08
Daniel M. Kane '07
Kuat T. Yessenov '08

Putnam Fellows (five highest ranking individuals, each receives \$2,500):

Hansheng Diao '10
Daniel M. Kane '07
Yufei Zhao '10

Next 10 Highest Ranking Individuals (each winner receives \$1,000):

Timothy G. Abbott '07
Anders H. Kaseorg '08
Sungyoon Kim '09
Yuncheng Lin '09
Kevin P. Modzelewski '10
Eric C. Price '09

Next 11 (each receives \$250):

Shinn-Yih Huang '10
Matthew M. Ince '08
Thomas J. Mildorf '09
Xuancheng Shao '10

Next 52 (Honorable Mention):

Oleg Golberg '08
John Y. Kim '10
Maria J. Monks '10
Albert R. Ni '09
Anand B. Rajagopalan '09
Shubhangi Saraf '07
Nikhil A. Savale '07
Charmaine J. Sia '10
Dimitar N. Simeonov '10
Jason A. Trigg '10
Iliya T. Tsekov '08
Kuat T. Yessenov '08
You Zhou '07

SOURCE: PROFESSOR OF MATHEMATICS
HARTLEY ROGERS JR.

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Tod Machover & the Ying Quartet: ...but not simpler...

Friday, April 6, 2007 at 8pm

ICA Theater

Institute of Contemporary Art, 100 Northern Avenue, Boston

High-tech music guru Tod Machover creates a one-of-a-kind musical journey for the Grammy-winning Ying Quartet—including siblings Timothy and Janet on violin, Phillip on viola, and David on cello—weaving together music by Beethoven, Bach, Carter, Cage, Byrd, and The Beatles with his own original work. "The perfect program for the age of the iPod shuffle...A fantastic (and entirely musical) notion." (The New York Times)

Bebe Miller Company: *Landing/Place*

Friday, April 13 at 7:30pm

ICA Theater

Institute of Contemporary Art, 100 Northern Avenue, Boston

Award-winning choreographer Bebe Miller and her talented collaborators have created *Landing/Place*, a new multimedia dance work that studies place and human connection within a global landscape. Miller's hallmark choreography—rich, luscious, sensuous—is seen through a layering of projected images that evoke past and present time. Digitalized motion-capture, live music, video projection and exquisite dancing explore sensory, spatial and cultural dislocation. Postperformance Q&A Friday, April 13

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Report Criticizes DoD Delays in Starting Investigation

DoD Report, from Page 1

“The report basically verifies every allegation I have made, but manages to conclude it was not scientific misconduct,” Postol said. “I find that very hard to understand.”

According to the report, Postol raised issues of financial irregularities at MIT and suggested that MIT administration and Lincoln Laboratory management may be guilty of misleading Congress and federal investigators. “I would hardly call this a closed matter,” Postol said. “I am ready to proceed to the next step.”

Postol alleges that MIT officials, including former President Charles M. Vest, have made false statements to members of Congress when describing the contents of a 2002 MIT inquiry report into the Lincoln Laboratory allegations as highly sensitive and classified. The DoD report also described certain parts of the 2002 report to be classified. Postol claims that the inquiry report did not contain highly classified information. Postol said that the actions of these administrators “could be considered obstruction of justice.”

Postol said that he brought these issues to the attention of Massachusetts Congressman John F. Tierney, chairman of the House subcommittee on national security and foreign affairs. Tierney is in the process of collecting information now, Postol said.

Tierney was out of the country yesterday and unable to comment. Canizares said that he was unaware of the congressman’s involvement and could not comment on the situation.

Provost L. Rafael Reif, in a letter to the MIT faculty (<http://web.mit.edu/provost/letters/letter03302007.html>), said that he has determined neither Meins nor Tsai engaged in academic misconduct, based on the conclusions of the investigation. He also said that he would “consider carefully” the recommendations of the report regarding MIT research misconduct policies and work closely with faculty and administration “on steps going forward.”

Reif did not respond to an e-mail request for comment.

“The investigator has done a great job with integrity and trying to get the truth,” Tsai said. “It is certainly a relief for me. It has been a long time. It was an unnecessary burden on me and my family. I don’t know how this came about and why it became such a big issue.” Meins did not respond to a phone call for comment.

“I think that the investigation done by the DoD was very complete,” Canizares said. “It was fair and intensive.” In some ways, the investigator was able to do more than an MIT investigator, he said, because many of the people interviewed would not have talked to MIT.

Postol said that MIT turning oversight responsibility over to the DoD was “unacceptable.” “MIT gets paid handsomely,” Postol said, for its involvement with Lincoln Laboratory. Part of what MIT is paid for is oversight, he said.

Postol has previously suggested that an MIT investigation could have been performed using only the pub-

licly available information. Godfrey, in the DoD report, disagreed, stating that many key documents were classified and that a number of the investigation interviews were conducted at a classified level.

In an interview with *The Boston Globe*, Godfrey said Postol could not properly analyze the POET study because he did not have access to classified materials. He also said that the version of the report Postol used was a redacted version which had the classified information blacked out. “It’s simply unjust to be accusing people of misconduct based on half a report,” Godfrey said to the *Globe*.

Postol, in 2001, began sending letters to members of the MIT administration, calling the POET report “a serious case of scientific fraud.” This led to a preliminary inquiry by then-Course XVI Chair Edward F. Crawley ’76, who found that the allegations merited a full investigation because “sufficient inconsistencies, open issues, and needs for detailed rectification of facts” remained. This 2002 inquiry specifically identified six open issues that remained; these six issues were the focus of the DoD investigation.

Based on MIT policy, an investigation should have begun right away. However, the investigation was stalled because the Missile Defense Agency declared that all information related to the POET study “had to be classified in order to protect national security,” according to an MIT statement released in December 2004.

In March 2006, MIT and the Pentagon agreed that MIT would diverge from its written rules and the DoD would conduct its own investigation. At MIT’s insistence, Norman R. Augustine, former member of the MIT Corporation and former Chairman and CEO of Lockheed Martin Corp., was brought in as an advisor to the investigator, “to help assure an impartial and thorough investigation,” Reif wrote in an e-mail to the faculty at the time.

“In my opinion, the investigator, [Brandon B.] Godfrey [from the Air Force Office of Scientific Research], carried out his responsibilities very competently, with extraordinary diligence and a sincere effort to ferret out the truth,” Augustine wrote in a forward to the DoD report.

Augustine added in the forward to the report that he was granted full access to all information related to the investigations, including classified information, and that he actively participated in the interviews and reviewed over 100 documents.

Canizares confirmed in an interview that Augustine had full access to all documents.

Godfrey wrote that there was an excessive delay in addressing the allegations, that “the DoD did not follow the federal requirement to initiate an investigation responding to the Inquiry Report in a reasonable period of time.” Augustine, in the forward, also wrote that the investigation was complicated by the length of time that had passed.

“In several instances it was difficult to locate relevant documents (although all documents sought eventually were obtained;” Augustine wrote, “in others the firms involved in the events ceased to exist as independent entities; and in still others, individuals retired and their security clearances lapsed, people changed jobs, memories — not unexpectedly — faded; and one individual died.”

The delay generally stemmed from a lack of agreement between the Missile Defense Agency (part of the DoD) and MIT regarding the handling and viewing of classified material, according to Chris Isleib from the DoD’s press desk. “The policy negotiations on that issue took some time.”

Canizares said that the delay was unfortunate and that MIT pushed the DoD to follow its own procedures.

According to Isleib, Godfrey will be preparing a lessons-learned document for the DoD in two or three months.

Study omitted sensor information

Godfrey investigated the six open issues identified in the 2002 MIT inquiry, which included concerns about the omission of critical information regarding the sensors used in the missile defense system, as well as alleged improper manipulation of flight data. None of the allegations of research misconduct were substantiated “by a preponderance of evidence” as is necessary based on the definition of research misconduct provided by the Office of Science and Technology Policy.

Regarding the sensors in particular, information about inconsistencies in calibration of the sensors was left out of the POET Study. Godfrey stated, in the DoD report, that “Omitting a discussion of such critical information in a scientific journal article might have constituted research misconduct. However, this was not a scientific journal article, and the two LL members of the POET team responded that the classified POET report was meant only for about 10 people, that the sensor problems were known to those involved in IFT-1A, and that the sensor produced adequate data anyways for at least 17 seconds, all of which were true.”

“Nonetheless, this investigation concludes that sensor performance was so important that it should have been discussed in the report,” the report continues. “This omission does not, however, rise to the level of research misconduct, due to the extenuating circumstances just described.”

Recommendations for MIT

Godfrey specifically criticized MIT’s handling of the 2002 preliminary inquiry of the allegations. The report states that the inquiry began without “clearly written allegations” and that the confidentiality of the process was compromised as “copies of a draft version of the Inquiry Report were not controlled adequately.”

“Some information found its way into newspapers,” the report states. “Apparently, this violation of federal and MIT policy was not investigated.”

The DoD report also states that MIT failed to follow its own policy and did not include a summary of the rebuttal offered to MIT management

by the alleged offenders, Meins and Tsai, in the inquiry report. According to the DoD report, Crawley, who led the inquiry, said that he was not aware of the rebuttal.

Canizares pointed out that most of the recommendations made in the DoD report are similar to the recommendations made by an ad hoc committee he led last year that looked into factors that complicated the resolution and investigation into the allegations. (The report is available at <http://mit.edu/provost/letter-5-19-06.html>.)

Canizares said that he decided to wait on the DoD report before discussing and possibly implementing the recommendations of the ad hoc committee. “It is definitely our intention to take a look at those,” Canizares said. “We are beginning to look at how to do that.” He said he hopes for expediency.

1983	March 23	President Ronald Reagan announces the Strategic Defense Initiative, an ambitious proposal derided by critics as “Star Wars,” to protect the United States from a massive Soviet missile attack.
1993		The Strategic Defense Initiative Organization is renamed the Ballistic Missile Defense Organization, or BMDO, with the goal of developing a much more limited defense against missiles.
1996		Nira Schwartz, a senior engineer at the military contractor TRW Inc. (now known as Northrop Grumman Systems & Mission Corp.) accuses TRW of exaggerating the ability of a sensor and computer program that try to tell the difference between warheads flying through outer space and balloon decoys. She sues TRW on behalf of the government. (In March 2003, the case is dismissed on the grounds that it would hurt national security by revealing classified information. She has appealed.)
1997	June 24	The BMDO and its contractors, including TRW, conduct a test, known as the Integrated Flight Test 1A, to see whether the TRW system can tell the difference between warheads and decoy balloons floating in outer space. The director of the BMDO calls the test “very successful.”
1998	June 1	In response to Schwartz’s allegations, the BMDO commissions a group of five scientists, known as the Phase One Engineering Team, or POET, to review the June 1997 IFT-1A test. The team is led by MIT’s Lincoln Laboratory and includes two Lincoln Lab scientists, Ming-Jer Tsai and Charles K. Meins Jr. ’75.
1998		The POET team concludes that “Mrs. Schwartz’s allegations were not true,” according to a scientist familiar with the team’s work who spoke on condition of anonymity. The team writes that in general, TRW’s methods “are well designed and work properly.”
2000	December	TRW’s system is not selected for the missile defense system. Instead, the BMDO chooses a competing system from Waltham-based Raytheon. Critics, including Professor Theodore Postol of MIT, maintain that the Raytheon system has the same problems in distinguishing warheads from decoys as the TRW system.
2000	May	Schwartz sends an unclassified copy of the POET report to Professor Postol. He sends it to the White House, along with a detailed letter accusing TRW of “fraudulent methods.”
2001	April	Postol begins sending a stream of letters to MIT officials, calling the POET report “a serious case of scientific fraud” and demanding that MIT repudiate the report.
2002	January	The Ballistic Missile Defense Organization is renamed the Missile Defense Agency.
2003	February 11	Provost Robert A. Brown writes to Postol that MIT will not review the factual accuracy of the POET report, because it is a “government, not MIT, document.” But MIT will initiate a misconduct investigation against the report’s two MIT authors, Tsai and Meins, Brown writes.
2003	February 28	The General Accounting Office, the non-partisan investigative arm of Congress, gives Postol some ammunition by releasing two reports criticizing the POET report and concluding that TRW had exaggerated its system’s performance.
2003	April	Brown appoints Professor Edward F. Crawley ’76, then the head of the Aeronautical and Astronautical Engineering Department, to conduct a preliminary inquiry in order to determine whether a full misconduct investigation is warranted.
2003	July	Crawley writes in a draft report that no investigation is warranted. “Not only do I find no evidence of research misconduct, but I also find no credible evidence of technical error.”
2004	August 2	Crawley and Postol meet for a lengthy technical discussion.
2004	November 4	Crawley reverses his earlier draft finding, and recommends a full investigation into Postol’s allegations.
2003	January	Brown accepts Crawley’s recommendation for a full-blown investigation. At this point, the MIT Policies require that an investigation begin “promptly.”
2003	March	Brown releases a statement that MIT has not yet begun the investigation into Professor Postol’s allegations. “MIT has been working to establish a process that permits these issues to be investigated fully and objectively. To achieve this goal, MIT must explore with the relevant federal agencies the steps necessary to permit the investigation to proceed.”
2004	December 1	President Vest releases a statement that the Institute has so far been unable to investigate Professor Postol’s allegations because the Missile Defense Agency has not allowed an investigation of the POET report. “MIT has identified a panel of distinguished outside investigators, all of whom have appropriate security clearances, to conduct the investigation. However, we have not yet been successful in obtaining approval from the Missile Defense Agency to give them access to this classified information. Without that access, the investigation cannot be conducted.”
2004	December 2	The Missile Defense Agency releases a statement that it has denied MIT’s request because there have already been enough investigations into the Integrated Flight Test 1A.
2006	February	MIT and the Department of Defense announce an agreement to end the deadlock. MIT will call off its efforts to investigate the report itself. A senior Air Force scientist and administrator, Brendan Godfrey, will conduct an investigation, advised by a retired Lockheed Martin chairman, Norman Augustine.
2006	May 19	Provost L. Rafael Reif announces that an MIT ad hoc committee has released its report identifying 16 factors that complicated the resolution of the allegations and presenting recommendations for policy improvements.
2007	March 29	The Department of Defense releases a comprehensive report on the year-long investigation conducted by Godfrey. The investigation concludes that allegations of research misconduct were unsubstantiated.



MIT actions



Pentagon actions

Solution to Crossword

from page 7

A	N	G	L	O		M	A	L	T		M	E	S	A
L	O	R	E	N		U	V	E	A		O	P	E	N
P	R	A	I	S	E	T	O	T	H	E	H	I	L	T
H	M	S		C	R	A	W		O	R	A	C	L	E
A	S	P	I	R	I	N		M	E	O	W			
			N	E	T	T	L	E		S	K	I	M	P
S	P	A	D	E	R		E	A	R		R	E	O	
T	A	X	O	N	E	S	E	N	E	R	G	I	S	T
Y	U	L		A	N	D		F	E	I	S	T	Y	
E	L	E	G	Y		U	S	U	R	P	S			
			R	A	N	G		S	E	E	H	E	R	E
A	R	C	A	N	E		N	A	S	A		L	I	D
G	O	L	I	K	E	L	I	G	H	T		N	I	N
E	T	O	N		D	I	N	E		E	R	O	S	E
S	E	T	S		Y	E	A	S		R	A	T	E	D

OCW Gives Students Overseas Education Without MIT Degree

By Noam Cohen
NEW YORK TIMES

Lucifer Chu, a 31-year-old from Taipei, Taiwan, is as good an example as any of the shrinking distances between East and West.

Chu has become a millionaire by producing Chinese translations of fantasy novels. Using much of the \$1 million in royalties from his versions of “The Lord of the Rings,” Chu says he devotes himself to distributing free translations of material from an MIT Web site.

When MIT introduced its OpenCourseWare project six years ago, it was a radical departure. The project was intended to make virtually all of the institute’s course materials available online — free — over a 10-year period at the cost of \$100 million. (The material is provided under a Creative Commons license, which, among other things, forbids its being used for commercial purposes, but allows it to be copied and used for other purposes.)

The university’s good intentions came with some concerns: it’s not easy to share the lecture notes, slide presentations, sample tests, syllabuses, and reading lists that go into an MIT course. First, faculty members have to agree to go along. Also, the 25 people who work on OpenCourseWare have had to obtain permission to use other people’s creative work that crops up in the slides and lectures. Finally, there was the concern that if MIT gives away this material, would students still pay the \$33,600 tuition to attend? It should go without saying that MIT has continued to fill its classes, and that the piece of parchment with a graduate’s name on it, or even a realistic copy, still cannot be found online.

If anything, university officials say, the material has served to stoke the interest of potential applicants.

“A student was going to be coming to MIT as an undergrad, and he sent me an e-mail that said he had already attended my lectures,” said Anant Agarwal, whose lectures for the introductory electrical engineering course are available as streaming video at the OpenCourseWare site, ocw.mit.edu. “And he was from Malaysia.”

In fact, things have been moving swimmingly, administrators say. By the end of the year, the first phase should be over, according to Steve Carson, the project’s director of external relations, with nearly all 1,800 courses having some sort of representation online; the cost has been \$30 million. Currently, there are more than 1,600 courses published and 2 million visits a month.

“It is so much bigger than we could have ever imagined,” said Shigeru Miyagawa, a professor of linguistics and Japanese, who was on the committee that originally proposed the plan. “The number of visits that we get is beyond belief. We really didn’t know who would be using it when we went into this at the very beginning.”

The president of MIT at the time, Charles M. Vest, anticipated as much, saying that “there will probably be a lot of uses that will really surprise us and that we can’t really predict.”

Chu’s efforts qualify as a pleasant surprise. His team, which includes four full-time editors and scores of volunteers, has completed translations of 178 courses, and more than 600 partial ones. Thirty-five are good enough that MIT links to them directly.

Chu personally worked on Introduction to Electromagnetism, a subject that had bedeviled him at National Central University in Taiwan — he flunked it two times, he said. “I couldn’t help thinking that if I could have gotten a decent electrical mag-

netism teacher, and had it gone better, maybe I could be working at a big company in Taiwan,” he said.

Chu is proof that even translators can lose something in translation. He says he innocently adopted the English first name Lucifer as a teenager because of its poetic meaning in Latin, “light bearer.” Today, he says he travels Taiwan and China speaking on the opportunities from OpenCourseWare, using his royalty money to address an estimated total audience of 50,000, telling them to take advantage of “good people with the good will to share their knowledge.”


The MIT OpenCourseWare Web site demands a lot from its visitors. One must decide what subject to study from a vast array and then must show the determination of a true self-starter.

There is, for example, the graduate-level course “Topics in Philosophy of Language: Vagueness,” offered in the fall of 2005. The course promises “to give people a sense of what ‘accounting for vagueness’ is all about, why it’s hard, and why it’s important.” There is a reading list, a syllabus, and a sample paper.

While “Vagueness” is certainly on one end of the spectrum, there are relatively few courses that hold your hand. (A class on archery presents a litany of short clips showing how to hold a bow and arrow and roughly 25 introductory courses, like Agarwal’s on electrical engineering, have their lectures on videotape or audiotape.)

Anne H. Margulies, executive director of OpenCourseWare, said that “the best thing MIT can do is share what we have here to those who can’t come here and hope others would do the same thing.” To that end, MIT has been promoting a consortium of schools to expand the materials available here and around the world.

Chu is unabashed in his enthusiasm of his nonprofit project, with the sly name OOPS, for “OpenSource OpenCourseware Prototype System,” at www.myoops.org. And he cites a lesson that he says he learned from Isaac Asimov’s “Foundation” science fiction series, a translation project that he has put on indefinite hold: “Knowledge can solve any problems — people choose bad leaders mostly because they don’t have enough knowledge.”




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NCAA Basketball, from Page 20

bore a murderous expression; the Kentucky Wildcat displayed a look characteristic of a cartoon character. It may be the MIT student in me, but I immediately thought, "Oh my God, it's Wildcats squared!"

In the next game, UK faced off against KU, or Kansas University. If the initials were not confusing enough already, the teams also had contrasting uniforms. Kentucky sported blue uniforms with white accents, while Kansas wore white uniforms with blue details. Thank the Lord, Kansas' Jayhawk mascot looked nothing like Kentucky's Wildcat.

Missed opportunity

Free throws occasionally tarnish an otherwise stellar player's reputation — just ask our dear friend Shaq, who can't shoot from the charity stripe to save his life. Unfortunately for guard Brennan Bechard, he doesn't have the luxury of playing at least 30 minutes a night to make up for it.

Bechard missed two free throws as the second half of Kansas' win over Niagara wound down. On the surface, it was no big deal — Kansas won by a lopsided score of 107-67. However, Bechard finished the game as the only Jayhawk who failed to net a single point. This is certainly a case in which imitating Shaq leads to an unflattering distinction.

The MIT underdog effect

Face it, MIT is hardly advertised as a mainstream athletics superpower: prospective freshmen hear about our superior academic programs, unparalleled research opportunities, and quirky campus culture. There is no mention of basketball games with thousands of face-painted fans or Facebook groups devoted to the next NBA draft pick.

Watching the Chicago games was like a "Who's Who" in basketball history — Kansas, Kentucky, UNLV, even Wisconsin and Villanova — and I felt compelled to root for the long shots. I'll call this the "MIT Underdog Effect" and chalk it up to attending a Division III college.

Texas A&M-Corpus Christi barely had a team a few years ago, and this was its first appearance in an NCAA tournament. Also, the Islanders had a particularly amusing mascot: Izzy the Islander. I identified with the less-than-intimidating hula skirt because of our dear mascot Tim, who doesn't quite strike fear into the hearts of our opponents with swishes of his tail.

When the Islanders shot to a 10-0 lead over Wisconsin, the crowd laughed: A little 15-seed could play! When the lead grew to 25-7, however, the Wisconsin fans grew edgy, booing the refs when they called fouls on the Badgers and cheering every Islander miss.

Unfortunately, the clock struck midnight for this Cinderella team, as the Badgers realized that they should probably start making baskets in the second half. Wisconsin dismissed Izzy and the other Islanders with a 76-63 victory.

UNLV doesn't fit the classic mold of an underdog story, as the team won the NCAA title in 1990. I could talk about the father/son dynamic that Lon and Kevin Kruger exhibited during the tournament until I'm blue in the face, but that already received way too much press coverage. Instead, I'll just concentrate on the Runnin' Rebels' unexpected demolition of Wisconsin to reach the Sweet 16.

The Badgers once again forgot that there are actually two 20-minute halves in a basketball game, leading to an 11-point deficit at halftime. After the break, Kammron Taylor was instrumental in helping the second seed get back in the game. In fact, my fellow sports editor and Badgers fan Travis L. Johnson '08 called me on my cell phone to reinforce that point: "How about that comeback?"

Sadly, it looked like the Rebels would go the way of the Islanders, as an alert Wisconsin team eventually took a five-point lead. I held onto the hope that, although it would destroy part of my bracket, the Rebels would stage a comeback in response.

At this point, Kruger threw on his cape, tallying three treys and converting three free throws after being fouled on another three-pointer. UNLV held a 70-67 lead after Taylor sunk a trey of his own to cut the deficit to three, but the damage had already been done.

A few seconds later, the highly-touted Badgers had been unceremoniously bounced from the tournament, causing the pro-Wisconsin crowd to boo in disgust. As for me, I whipped out my phone to call Travis, basking in the reflected glow of the MIT Underdog Effect.

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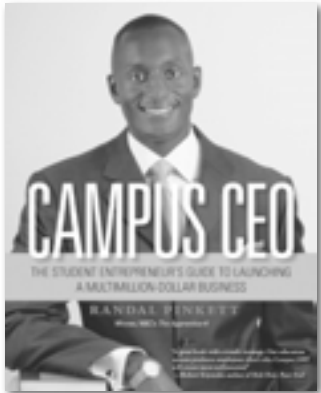
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Baseball Shatters Records With 29-5 Victory

By Mindy Brauer
DAFER STAFF

The Tech baseball team shattered a single-game program record with 33 hits en route to a 29–5 victory over Middlebury College in the Greater Phoenix Invitational. Despite the loss of four key starters and a completely revamped lineup, it took only three games for MIT baseball to once again assert its position among the top teams in the New England Small College Athletic Conference (NESCAC).

The Panthers had no answers for MIT’s (2–1) attack on Tuesday. The Engineers scored in six different innings, plating at least five runners in four different innings. Stephen C. Toth ’09 powered the attack with a break-out performance at the plate. Toth finished 6-for-6 with a walk, while scoring four runs and driving in a game-high seven runs. Toth’s six hits tied the Institute record for hits in a game, which was originally set by Herbert K. Kummer ’75 in his senior year.

Obviously, Toth wasn’t the only one seeing the ball well against Middlebury (3–3). Eight players recorded at least three hits and 10 players produced an RBI. Stewart J. Park ’10 drove home five runs while going 3-for-8, while Steven M. Nunez ’09 and David M. Nole ’09 each picked up three runs batted in and combined for seven runs scored. Park’s eight at-bats also tied an MIT single-game record set three times during the 1972 campaign.

The Engineers scored seven times in the first inning, collecting all of their runs with two outs. MIT repeated the two-out magic again in the second inning, scoring five more times. After tacking on another run in the third, MIT led 13–1 heading to the fourth.

With one out in the fourth inning, MIT substantially expanded its lead with seven more runs. After an RBI single by Jason T. Witzberger ’07, Thomas M. Phillips ’09, Nole, and Kevin R. Wheeler ’08 answered with three consecutive doubles. Toth added one of his three doubles later in the inning to push the margin to 19 runs. MIT closed the tilt with an Institute record nine doubles, including Toth’s three, which tied another school mark last clubbed by Joel Morales ’99 in 1997.

The Engineers established a plethora of offensive marks in Tuesday’s win. The 29 runs batted in topped a record that had stood for 40 years, while new records were established for extra base hits (11) and total bases (46).

Benjamin T. Bersanti ’10 filled in admirably in the lead-off role, reaching base four times, while connecting for a single, double, and triple. Amid all the offensive fireworks, Jay M. Turner ’08 made his season debut against the Panthers, scattering four earned runs while hurling a complete game.

Solution to Sudoku
from page 7

Red Sox Nation Rejoices as Season Begins

As Usual, the Sox Players Provide Plenty of Amusement and Anticipation in the Off-Season

By Kristina M. Holton
STAFF WRITER

The Red Sox lost their season opener to the Royals, 7–1, last night. Hopefully, the late-night glimmer over Fenway that returns on April 10 will mean no more losses to teams like Kansas City. Here are the events leading up to what should be a promising season.

Dice-K fever sweeps Boston, referring to the Japanese pitching sensation Daisuke Matsuzaka, who got a \$103 million contract. Funny, he threw 103 pitches in his first spring training outing. But no, Dice-K protests, he does not have the rumored “gyro” pitch, which supposedly spins like a bullet. Dice-K showed some control problems over spring break, but hopes are high and Thursday is his first start.

Schilling threw the Sox a curveball when he announced he would not retire at the end of the year as planned, instead demanding the team extend his contract one year by the end of spring training, or he would become a free agent at the end of the season. The deal was a no-go and on February 22, Schilling said he would be a free agent. At least he announced he would not become a Yankee.

Schill also has a blog, <http://38pitches.com>, where he accidentally leaked the news that Jonathan Papelbon would close instead of start this season. Last year’s closer was supposed to start this year because it would be better for his arm, but after weighing their options the club decided they need him back in the 9th inning, medical problems be damned.

More to add to the “Manny being Manny” list: on February 18 Manny Ramirez’s teammate Julian Tavarez told the press that Manny would not report to spring training until March 1 because his mother underwent surgery. The management spoke to Manny a few days later and confirmed the news on February 21. But then *The Boston Globe* reported Manny would be attending a classic car auction in Atlantic City, to be held on the 24.

Manny arrived at spring training March 26, right before the mandatory report date, having not gone to the car show. And his car didn’t sell.

Add to that the eBay scandal, with Manny posing next to a grill. In one day the grill reached the maximum bid possible, \$99,999,999, but eBay pulled it off the auction block because they couldn’t confirm he was the owner.

Apparently, it was Manny’s neighbor’s grill and it was a teammate bidding. And by the way, eBay bids are legally binding.

Fun fact: the Yankees’ Gary Sheffield wanted to come to Boston, but the Yankees picked up the option on his contract and sent him to Detroit. He’ll be primarily a designated hitter instead of an outfielder. Too bad, a Manny-Coco-Sheffield trio would have been awesome.

On to the roster: Despite some good outings, Jon Lester, diagnosed with anaplastic large cell lymphoma last year, is starting on the disabled list along with Mike Timlin (oblique) and Matt Clement (shoulder). All three are pitching in the minors and should be back in the bigs soon.

There were talks that third baseman Mike Lowell might be traded to the Rockies, but he’s staying in the hot corner for now. Dustin Pedroia is taking Mark Loretta’s place at second base this year, and Julio Lugo fills Alex Gonzalez’s spot as the new shortstop.

Some fans are nervous about Lugo, considering he’s had 20 errors a year for three out of the last four years. But he’s energetic, so I’m not worried.

Kevin Youkilis returns to first, with Papi David Ortiz and Alex Cora in the defensive utility role. Sox owner John Henry gave Papi a new Toyota Tundra for spring training. He usually drives a Lamborghini.

Despite an elbow injury last year, captain Jason Varitek returns to the plate, with Doug Mirabelli there to catch Tim Wakefield’s knuckleballs. Varitek went through a dry spell during spring training, going 0–17 at one point, but after a few homers he’s back in good shape.

Manny’s in left and Coco Crisp’s in center. And the \$70 million acquisition J.D. Drew will round out the outfield in right. Willy Mo Pena will stay for another year in Boston, and Eric Hinske will also see some innings out there.

Johnny Pesky, of Fenway’s beloved Pesky’s Pole (which may be shorter than the Sox claim), will no longer have a seat in dugout due to new rules about the number of uniformed coaches allowed in dugout. Maybe he’ll get the Pesky Pole seat.

The Sox will don green jerseys on April 12, in memory of the Celtics’ coach and Hall of Famer Red Auerbach.

One sure thing of an interesting subplot is the bet between Manager Terry Francona and President Larry Lucchino: can Tito (Francona) keep his squirrel cheeks empty of tobacco?

Almost as interesting to Red Sox Nation: Will we make the playoffs? Will Dice-K be worth it? Will we keep Schill? Will we get Clemens? The season has started, answers are coming, and Boston is smiling.

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SPORTS

Zimmerman Earns All-Around Title at NCGA Championships

By Jeff Lemieux
DAPER STAFF

Julia C. Zimmerman '09 became just the second women's gymnast in MIT history to win the National Collegiate Gymnastics Association (NCGA) All-Around title on Friday, March 24 when she earned first-place in the competition with a score of 38.175

Teammate Sophia L. Harrison '08 earned 36.950 points and finished tied for 11th, just one spot out of All-America status.

Zimmerman beat out a trio of University of Wisconsin-Oshkosh gymnasts for the top spot, as Teresa Phipps (38.050), Danielle Crinzi (37.925), and Meghan Hargens

(37.625) finished 2-3-4, respectively. Defending national champion Sarah Bulka, of SUNY-Brockport, finished fifth with a point-total of 37.450.

The only other MIT women's gymnast to ever claim the NCGA All-Around title was Sheila Rocchio '97, who earned the prestigious honor back in 1995.

UW-Oshkosh won the team competition, thanks in large part to the stellar contributions of its all-around performers. The Titans' 185.575 points edged out Ursinus College, which collected 185.475, by just one tenth of a point. UW-La Crosse (183.350) rounded out the top three.

Zimmerman's fantastic evening was highlighted by individual wins on the beam (9.600) and floor exercise (9.775), in which she tied

for first. The Chicago, Ill., native also tied for third place on the vault (9.650) and 25th on the uneven bars (9.150).

Harrison had her best showing on the vault, in which she tied for 11th with a score of 9.550. She also placed 15th on the uneven bars (9.350), tied for 17th on the floor exercise (9.450), and tied for 33rd on the beam (8.600).

With her brilliant performance, Zimmerman qualified for the individual finals on the beam, floor, and vault exercise. She finished first on the beam, third on the floor, and 14th on the vault.

Sarah N. Trowbridge '08 also competed in the individual events, placing 51st on the beam with an 8.100.



GHEORGHE CHISTOL—THE TECH
Annamaria E. Ayuso '07 catches a pass from a teammate during the women's lacrosse game against Gordon College on March 22. MIT lost 9-8.

NCAA Regionals Provide Drama, Entertainment Behind the Scenes

By Caroline Huang
SPORTS EDITOR

The NCAA basketball championships involve more than Florida's quest for a repeat title or Ohio State's 19-year-old center, Greg Oden, who looks old enough to run for president.

When I attended the Chicago regional, courtesy of *The Tech*, I witnessed several compelling storylines that were only mentioned as asides in the ESPN and Associated Press recaps. Some of these experiences were just amusing, while others were unex-

pectedly touching.

A surprising show of sportsmanship

Sportsmanship is usually a lost art in today's era of million-dollar coaches, overenthusiastic boosters, and obnoxious fans. When the University of Kentucky accidentally selected Dwight Perry to start in Kentucky's opening-round game against Villanova, his coaches had the chance to make a last-minute switch in the lineup.

However, the Kentucky staff allowed the largely ignored walk-on senior to start the game, with instruc-

tions to immediately foul so the team would not waste a timeout. Perry's teammates, including expected starter and cousin Bobby Perry, were thrilled at Dwight's opportunity to get a taste of the spotlight.

Wildcats squared

In addition to sportsmanship, Kentucky suffered from an identity crisis in both of its regional games. In the Villanova matchup, the teams had nearly identical mascots. After close examination, the Villanova Wildcat

NCAA Basketball, Page 18

UPCOMING HOME EVENTS

Tuesday, April 3, 2007		
Women's Lacrosse vs. Wellesley	6:00 p.m., Jack Barry Field	
Thursday, April 5, 2007		
Softball vs. Regis College	3:00 p.m., Briggs Field	
Men's Lacrosse vs. Wentworth	4:30 p.m., Jack Barry Field	
Friday, April 6, 2007		
Softball vs. Worcester Polytechnic Institute, Doubleheader	3:30 p.m., Briggs Field	
Men's Tennis vs. Bowdoin	4:00 p.m., duPont Tennis Courts	



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